

THE ENUMERATIO AND SELECTARUM OF
NICOLAUS VON JACQUIN

RICHARD A. HOWARD

IN HIS INTRODUCTIONS to the facsimile editions of Jacquin's *Enumeratio Systematica Plantarum*, 1760 (Sertum Botanicum V, 1967) and *Selectarum Stirpium Americanarum Historia*, 1763 (Hafner Publ. 1971), Frans Stafleu has supplied biographical and bibliographical information on Nicolaus Jacquin, and on these two important early volumes which concern the nomenclature of many common plants of the Caribbean area. Stafleu emphasizes that the two volumes must be studied together, for the *Enumeratio* is to be regarded as a "Prodromus" to the *Selectarum* in which many of the species are given more ample descriptions and localities of origin or are illustrated. All too often in modern botanical work the place of publication of Jacquin's names is given as the *Selectarum* with the date 1763, when the correct citation is the *Enumeratio* published in 1760. A survey of the two volumes, with emphasis on the taxa mentioned in the *Enumeratio*, reveals that many of the binomials are not in use today either for accepted species, or as basionyms or synonyms. For others, Jacquin illegitimately substituted a new name in the *Selectarum* or reduced his own name to the synonymy of an earlier published name of Linnaeus, Loeffling, Guettard, or Miller.

In this paper I have attempted to give modern equivalents of all of the names used in Jacquin's *Enumeratio*, including corrected citations when necessary. Although many of the plants described are common in the Caribbean area, only a very few names can be typified by association with specimens collected by Jacquin. Some names can be typified by an illustration in the *Selectarum*. Hopefully this listing will lead monographers and curators to search for additional holotype specimens rather than to designate neotypes as many are doing.

Jacquin was a student of medicine in Vienna in 1752. Stafleu relates that during this period "Jacquin's botanical interests remained alive, certainly also because of the rich collections in the imperial gardens at Schoenbrunn. Franz I of Austria, who took great interest in botany, and especially in his garden, became acquainted with Jacquin and considered him the right man to send on a collecting trip to the West Indies. Jacquin was to collect plants and animals for the Schoenbrunn garden and for the Hof-Naturalien-Cabinet. The plants were to be mainly living plants. . . ." The party of which Jacquin was a member arrived in Martinique on June 28, 1755, and during a four-year stay visited St. Vincent, Grenada, Curaçao, Aruba, Venezuela, and Colombia to the south, and Guadeloupe, St. Kitts, St. Eustatius, St. Maarten, St. Barthelemy, "Domingo" (being Haiti and the Dominican Republic) and Cuba, before leaving in January, 1759, for

Austria via Spain. Jacquin reached Vienna again in July of 1759. Stafleu reported "The consignments of living plants had been considerable; herbarium material was scanty, but many drawings and descriptions had been made on the spot." As the material grew at the Schoenbrunn gardens, Jacquin made or had made additional sketches which were to be published.

The *Enumeratio* was published in 1760 in Leiden. The exact date cannot be determined with certainty. Rothmaler, according to Stafleu, without citing proof, fixes the date as 15 May 1760. Stafleu concluded that this is a reasonable but arbitrary date which cannot be followed in the absence of supporting information. He also quotes a letter, dated Aug. 17, 1760, from Gronovius to Linnaeus, indicating that Gronovius was expediting the work and was "expecting publication" at any time. One can conclude from the nature of the *Enumeratio* that Jacquin was anxious to report on the many plants he saw and to indicate the ones that were new, possibly to bring credit to his sponsor and the Schoenbrunn gardens. Hence, the concise *Enumeratio* was published and was followed by the more elaborate treatment of the *Selectarum*.

Stafleu freely translated the Preface of the *Selectarum* and indicated that Jacquin said in effect: "At every step we found plants described by our predecessors, and others that were new I have therefore given special attention to genera in which new or rare species deviate from the commonly accepted concept. My descriptions are usually based on more than one individual, in order to avoid regarding fortuitous details as characteristics. All descriptions are based on living material and drawn up with the greatest possible care." Many of the genera in Jacquin's works, therefore, appear to be new contributions and many are indeed quite different in circumscription from those of the same name published earlier by others.

The primary difficulty of working with the *Enumeratio* is the brevity of the specific descriptions which are occasionally only one word or a symbol. When these taxa have been considered in the *Selectarum*, the descriptions are ample; bibliographic references are often supplied; and many are illustrated. Nevertheless, some problems of recognition will be settled only by reference to a specimen, and very few have been located in the years subsequent to Jacquin's publications. The history of the Jacquin herbarium specimens has been given by Stafleu (*Taxonomic Literature*, Reg. Veg. 52: 230. 1967; *Enumeratio* iii. facsimile ed. Introduction. 1967). More recently D'Arcy (*Taxon* 19(4): 554-560. 1970) has described his quest for authentic material. In searching monographic literature for the preparation of this listing, only a dozen references to types have been found with the specimens, mostly described as fragments, in London (BM), Vienna (w), and Budapest (BP).

Although Jacquin followed the binomial nomenclature of Linnaeus and arranged his volumes in accordance with the sexual system, he was not consistent in accepting Linnaeus's names. In the *Enumeratio* Jacquin cited *Species Plantarum* and *Systema Naturae* of Linnaeus; Loeffling's *Iter Hispanica*, which should also be credited to Linnaeus; and Browne's

Natural History of Jamaica. It is possible that Jacquin had with him on his travels the *Species Plantarum*, and perhaps he had access to Browne's work. Loeffling's report, however, was published by Linnaeus in December of 1758 while Jacquin was in the West Indies, and the *Systema* was published from May to June, 1759, while Jacquin was en route home. If Jacquin truly made original sketches and possibly descriptions in the field, it must have been a shock to him to receive Loeffling's *Iter Hispanica* and Linnaeus's *Systema* after his return and to find that many of the plants he thought were new had been described only a few months earlier. Perhaps for this reason Jacquin was not consistent in citing Linnaeus's names for species for which both authors cited earlier references of Browne or Catesby or others.

In the second edition of *Species Plantarum*, published in 1762, Linnaeus referred by number to plates of Jacquin's *Selectarum*, published in 1763. This was noted by Sargent (*Garden and Forest* 3: 260. 1890), who suspected some error, but as Stafleu (*Select. [facsimile]* F13. 1971) noted, many of the plates were sent to Linnaeus who expressed his opinion, usually approval, before the entire work left the printer for distribution. An excellent example of the possible difference of opinion of these two men is the publication of *Burseria* by Jacquin and *Bursera* by Linnaeus. Jacquin's failure to cite Linnaeus's work consistently in the *Enumeratio* presents problems in nomenclature, and examples are found in *Swietenia mahagoni*, *Casearia nitida*, and species of *Anguria*.

In 1759 Linnaeus (*Syst. ed.* 10. 940. 1759) published *Cedrela Mahag.* and cited "*Catesb. car. 2.t.81*," which is a description and illustration of the Mahogany of the Bahamas. Clearly "Mahag." is an abbreviation, and the ending Linnaeus wished to use is uncertain. In 1760 Jacquin (*Enum.* 20. 1760) published *Swietenia mahagoni*, also based on "*Catesb. Car. 2. t. 81*." A literal interpretation of Art. 63 of the International Code of Botanical Nomenclature suggests that *Swietenia mahagoni* is illegitimate, being superfluous, since the name is based on the same type as that of Linnaeus. If Linnaeus intended his name to be *Cedrela "mahagoni"* then the specific epithet cannot be transferred to *Swietenia*. Recent workers (Styles, *Jour. Oxford Univ. Forest. Soc. ser. 6. 4: 17-20. 1968*; Adams, *Flowering Plants of Jamaica* 394. 1972) have assumed that Jacquin was making a new combination, and cite the binomial as *Swietenia mahagoni* (L.) Jacq. 1760. It is only by assuming that Jacquin, having cited Linnaeus's *Systema* elsewhere in the *Enumeratio*, intended to do so here, that the *Enumeratio* of 1760 can be regarded as the place of publication of the combination.

In view of the historic and broad use of the name *Swietenia mahagoni*, and the turmoil that would result from a change of name due to a strict application of the rules of nomenclature, it seems appropriate to accept the intention of Jacquin to make a new combination and disregard his oversight in not citing the basionym.

A comparable situation concerns *Samyda nitida* L. and *Casearia nitida* Jacq. Fortunately this species or these species are not of economic im-

portance. Linnaeus (Syst. ed. 10. 1025. 1759) published *Samyda nitida* citing *Brown., jam. 217. n. 1.* The following year Jacquin published *Casearia nitida* (Enum. 21. 1760) also citing *Brown. jam. 1. p. 217.* According to Article 63 the Jacquin name is illegitimate, being superfluous, and the Linnaean specific epithet cannot be transferred to *Casearia*. The combination *Casearia nitida* (L.) Jacq. (e.g. Adams, Flowering Plants of Jamaica 488. 1972) is at best an implied combination. In the *Selectarum* (p. 132. 1763) Jacquin supplied a more elaborate description; gave Cartagena as the area of origin; and cited "*Brown. jam. 1 p. 217. t. 23. f. 3?*" suggesting that his plant from South America may not be the same as the Browne collection from Jamaica. This remains a problem for a monographer of *Casearia* for it appears that *Samyda nitida* is a *Casearia* and requires a new name, as does *Casearia nitida* of Jacquin.

Anguria Jacq. is a later homonym of *Anguria* Miller. The species Jacquin cited bear the same epithets as those used by Linnaeus, and are based on the same references. No problem arises as the species must be transferred to the genus *Psiguria*.

It has been generally stated, as it was by Stafleu, that Jacquin "for unknown reasons did not refer to the 1760 publication of his new taxa in his *Historia*." Although Jacquin did not give page references to the *Enumeratio* in the *Selectarum*, he did refer to the *Enumeratio* by title under *Byttneria* (Select. p. 77) and to his treatment of taxa described in the *Enumeratio* under *Cynanchum* (Select. p. 83), *Burseria* (Select. p. 95), and *Axyris* (Select. p. 245).

In making a systematic survey of the names published in the *Enumeratio*, a modern usage of Jacquin's binomials has been found for all but the following species.

- Brunfelsia spinosa* — without location
- Cordia juglandifolia* — Domingo
- Helicteres barbadensis* — locality uncertain
- Helicteres carthagenensis* — Cartagena
- Laetia completa* — Cartagena
- Loranthus biracemosus* — Houston collection without location
- Loranthus pedunculatus* — Cartagena
- Loranthus sessilis* — Cartagena
- Melastoma septemnervia* — Martinique
- Mimosa retusa* — Cartagena
- Myrtus triflora* — Cartagena
- Petesia tomentosa* — Cartagena
- Phaseolus sclareodes* — Havana, Cuba
- Rondeletia disperma* — Baru and Tierra Bomba, Cartagena
- Scoparia procumbens* — Cartagena
- Tetragonotheca parviflora* — without location
- Vicia disticha* — without location

For each of these an equivalent, often cited with a question mark, was given in the initial volumes of *Index Kewensis*. Some have been mentioned subsequently by monographers as unrecognized or unplaced names. The

proper disposition of these species names appears to depend on the location of authentic herbarium specimens collected or distributed by Jacquin.

In the *Enumeratio* Jacquin published 71 new genera or elaborated generic descriptions. Of these, 21 are now considered as previously published by Linnaeus in *Species Plantarum* (1753) and one in the *Systema* (1759). Two are now placed in the synonymy of earlier Linnaean names. One of Jacquin's generic names was published earlier by Linnaeus-Loefling (1758); three others are synonyms of Loefling names, and one is a synonym of a genus published by Guettard. One generic name was published earlier by Miller (1754); two are rejected as later homonyms of Miller names; and six are now attributed to Browne (1756). Four of Jacquin's generic names are *nomina rejicienda* in favor of other conserved names.

Twenty-three of Jacquin's genera are recognized as validly published in the *Enumeratio*. In addition, four of Jacquin's generic names have been conserved, two over names of Linnaeus (1759), one over a name of Loefling (1758), and one over a name of Miller (1754). Two other genera described by Jacquin have been conserved with corrected spellings.

Geographic locations for the species published in the *Enumeratio* generally can be found in the *Selectarum*. The majority of the species were collected near Cartagena, Colombia, in the specific locations of Baru and Tierra Bomba. Collections made on Curaçao, Grenada, and St. Eustatius are without specific localities. On Martinique, Jacquin gathered material at "Case Pilote" = Case-Pilote, "Roberti" = le Robert, "Sancti Francisci" = le François, "Divi Petri" = St. Pierre, "Montio Calebasse" = Morne Calebasse, "Carbet" = le Carbet, and "Rivière Capot" = Rivière Capot. The specific locations of "Philippsi" = Philipsburg, St. Martin; Kingston, and "San Jago de la Vega" = Spanishtown, Jamaica, and Havana, Cuba, were given. Jacquin's collections from "Domingo," now known as Hispaniola or Haiti, and the Dominican Republic, were made at Cap Français (near Cap Haitien) and Jacquesi (between Cap Haitien and Fort Liberté) on the northern coast, at Leogane on the southern peninsula, and at "Porto Principis" = Port au Prince. One "Domingo" location given by Jacquin as "Bayaha" is listed in old geographies as a locality in the southwestern part of the Dominican Republic and may be Barahona or near that town.

In compiling the list of equivalents which follows, I have been aided significantly by the work of the late Armando Dugand of Colombia. In 1966, Dugand (*Caldasia* 9(45): 400. 1966) wrote "Más tarde publicaré, Dios mediante, un catálogo de todas las especies cartageneras de Jacquin, citando en primer lugar el nombre con que él las dio a conocer al mundo científico; y dando además el nombre técnico que hoy tienen o deben llevar conforme a los estudios taxonómicos que se han publicado desde la época de Jacquin hasta la nuestra. Si llegara a publicarse esta obra llevará por título *Plantae Jacquinianae Carthagenenses*, en homenaje a la memoria del primer botánico de renombre que pisó tierra de Colombia y dio a conocer una parte pequeña pero interesante de nuestra rica flora." Regrettably, Dr. Dugand did not live to complete his studies, so it remains

for some botanist familiar with the coastal flora of Colombia to locate the plants of the Cartagena region that Jacquin collected and named, which were beyond the scope of the present study.

A final word of appreciation to the several correspondents who helped on various aspects of this study, with particular gratitude to my colleague, Dr. Leslie Garay, for his generous help with the unusually difficult Latin employed by Jacquin.

The species of Jacquin's *Enumeratio*, alphabetically arranged with modern equivalents.¹

ACALYPHA CARTHAGENENSIS, Enum. 32; Select. 253. *t.* 180, *f.* 57. Cartagena = **Acalypha carthagenensis** Jacq.

ACALYPHA CORENSIS, Enum. 32; Select. 254. *t.* 161. Domingo, Martinique, Venezuela = **Bernardia corensis** (Jacq.) Müll.-Arg.

ACALYPHA VILLOSA, Enum. 32; Select. 254. *t.* 183, *f.* 61. Cartagena = **Acalypha villosa** Jacq.

ACHYRANTHES ALTISSIMA, Enum. 17, citing *Sloane Jam. t.* 91, *f.* 2; Select. 81. Not illustrated. Domingo = **Chamissoa altissima** (Jacq.) H.B.K.

AGAVE HEXAPETALA, Enum. 18; Select. 100. *t.* 175, *f.* 28, renamed *Agave cubensis*. Cuba = **Furcraea hexapetala** (Jacq.) Urb.

ALPINIA SPICATA, Enum. 11; Select. 1. *t.* 1. Martinique = **Costus spicatus** (Jacq.) Sw.

AMERIMNON, Enum. 7 = **Dalbergia** L. f. Conserved name.

AMERIMNON BROWNII, Enum. 27, citing *Brown. Jam. i. p.* 288; Select. 199. *t.* 180, *f.* 58, as "brownei." Cartagena, Jamaica, Domingo = **Dalbergia brownei** (Jacq.) Urb.

AMYRIS, Enum. 3 = **Amyris** P. Br. (1756).

AMYRIS MARITIMA, Enum. 19; Select. 107. Not illustrated. Havana, Cuba = **Amyris maritima** Jacq.

ANACARDIUM, Enum. 4 = **Anacardium** L. (1753).

ANACARDIUM OCCIDENTALIS, not in Enum.; Select. 124. *t.* 181, *f.* 35. Caribaeis & Continente = **Anacardium occidentale** L.

ANGURIA, Enum. 9, not *Anguria* Miller 1754 = **Psiguria** Arn. ex Hook. Jour. Bot. 3: 247. 1841.

Although *Anguria* Miller is a *nomen rejiciendum*, *Anguria* Jacq. con-

¹ Throughout the list which is presented here references to "Enum." or "Select." followed by a page number and the word "citing" indicate an exact quotation, including typography. This accounts for the Roman numeral one which appears frequently in an otherwise Arabic sequence, e.g., 192, 1074.

tinues to be used in various floras of the Caribbean area. Jeffrey (Kew Bull. 16: 197, 198. 1962) considered the need to conserve *Anguria* Jacq. but pointed out alternate action involving a careful study of *Anguria* Jacq. and *Gurania* Cogniaux. He concluded by noting "there are at present more binomials available under *Gurania* than under *Anguria* itself and it could be substituted for *Anguria* Jacq. without great inconvenience." In a footnote Jeffrey also indicated that "conservation over *Psiguria* Arn. . . . which has no binomials . . . would be necessary." Both Airy Shaw (Dictionary of Flowering Plants 64. 1966) and Dandy (Reg. Veg. 51: 27. 1967) indicated subsequently the equivalence of *Psiguria* Arn. ex Hook. with *Anguria* Jacq. Although no combinations exist in *Psiguria* three are here proposed for species mentioned by Jacquin as *Anguria*. Many additional species remain in need of new combinations in *Psiguria*.

ANGURIA PEDATA, Enum. 31, citing *Plum. ic.* 23; Select. 242. t. 155, citing *Linn. syst. E. p.* 1279.

Linnaeus (Syst. Nat. ed. 10. 1279. 1759.) described *Cucumis pedatus* citing *Plum. ic.* 23. *Anguria pedata* Jacq. based on the same type is illegitimate, being superfluous when published in 1760 or to be considered as a new combination when published in 1763. Schlechtendal (Linnaea 24: 711-715. 1851) concluded that two plants were involved, and described *Anguria polyphyllos* typified by "Plum. pl. Amer. ed. Burm. p. 13. t. 23" and *Anguria dentata* Schldl. based on Jacquin, "sel. Amer. stirp. hist. p. 243. t. 155, exclus. syn. omn." and typified by a collection from Santo Domingo illustrated by Jacquin.

Cogniaux (Pflanzenreich IV. 275(1): 180. 1916) recognized *Anguria pedata* Jacq. with varieties *dentata* (Schlecht.) Cogn. and *polyphyllos* (Schlecht.) Cogn., citing a Jacquin collection under the former and the Plumier reference for the latter. Moscoso (Cat. Flor. Domingensis 640. 1943) did not recognize all of the varieties. The correct name for the species should be *Psiguria pedata* (L.) R. A. Howard, comb. nov. BASIONYM: *Cucumis pedatus* L. Syst. Nat. ed. 10. 1279. 1759. TYPE: Plumier, Pl. Amer. ed. Burm. p. 13. pl. 23.

ANGURIA TRILOBATA, Enum. 31, citing *Plum. ic.* 22; Select. 243. t. 156, citing *Linn. syst. B. p.* 1279. Cartagena.

The difficulty here is comparable to the problem of the preceding species with additional complications. Linnaeus described *Cucumis trilobatus* based on Plumier ic. 22. *Anguria trilobata* Jacq. based on the same type is illegitimate, being superfluous in 1760, or to be considered a new combination as published in 1763 if the earlier work is ignored.

Schlechtendal (Linnaea 24: 708-710. 1851) considered the treatments of Jacquin to involve two species, one in Hispaniola and one in Colombia. He described *Anguria Jacquiniiana* Schldl. based on "*A. trilobata* Jacq. sel. Amer. stirp. hist. p. 243. t. 156 (excl. syn. omn.)" and noted "Habitata Carthagenae in sylvis montis de la Popa. Junio mascula planta floret.

(Jacquin coll.).” For the Plumier plant from the Antilles Schlechtendal (l.c. 709) applied the new name *Anguria Plumieriana* Schldl.

Cogniaux (Pflanzenreich IV. 275(1) (Heft 66): 188, 189. 1916) altered the work of Schlechtendal. He accepted *A. trilobata* Jacq. listing *A. Jacquiniiana* Schldl. as a synonym and cited a Jacquin specimen as in Herb. Brit. Mus. from “Popa-Berg bei Carthagena” in Colombia. He also accepted *A. Plumieriana* Schldl. with the Plumier polynomial and *plate 22* cited, and listed collections from the Antilles and Colombia.

The correct names of the two species are: **Psiguria trilobata** (L.) R. A. Howard, comb. nov. BASIONYM: *Cucumis trilobatus* L. Syst. Nat. ed. 10. 1279. 1759. TYPE: Plumier, Pl. Amer. ed. Burm. *pl.* 22; and **Psiguria jacquiniana** (Schldl.) R. A. Howard, comb. nov. BASIONYM: *Anguria jacquiniana* Schldl. Linnaea 24: 708. 1851. TYPE: *Jacquin s.n.* (BM, not seen), Colombia.

AQUARTIA, Enum. 1 = **Solanum** L. (1753).

AQUARTIA ACULEATA, Enum. 12; Select. 15. *t.* 12. Domingo = **Solanum aculeatum** (Jacq.) Schulz.

ARALIA CAPITATA, Enum. 18; Select. 89. *t.* 111. Martinique = **Oreopanax capitata** (Jacq.) Dcne. & Planch.

ARISTOLOCHIA ANGUICIDA, Enum. 30; Select. 234. *t.* 146. Cartagena = **Aristolochia anguicida** Jacq.

ARISTOLOCHIA CAUDATA, Enum. 30; Select. 233. *t.* 145. Cap Français, Haiti = **Aristolochia caudata** Jacq.

ARISTOLOCHIA MAXIMA, Enum. 30; Select. 233. *t.* 146. Cartagena = **Aristolochia pentandra** Jacq.

ARISTOLOCHIA PENTANDRA, Enum. 30; Select. 233. *t.* 147. Havana = **Aristolochia pentandra** Jacq.

ARUM HEDERACEUM, Enum. 31, citing *Plum. Amer. t.* 51. *fig. d.*; Select. 240. *t.* 152. Cartagena = **Philodendron hederaceum** (Jacq.) Schott.

ARUM SEGUINE, Enum. 31, citing *Plum. Amer. t.* 51. *f. b.*; Select. 239. *t.* 151. Caribaeis = **Dieffenbachia seguine** (Jacq.) Schott.

ASCLEPIAS ALTISSIMA, Enum. 17; Select. 84. *t.* 51, as *Cynanchum altissimum*. Cartagena = **Marsdenia altissima** (Jacq.) Dugand.

ASCLEPIAS CLAUSA, Enum. 17; Select. 87. *t.* 60, *f.* 2, as *Cynanchum clausum*. Cartagena = **Sarcostemma clausum** (Jacq.) R. & S.

ASCLEPIAS FILIFORMIS, Enum. 17; Select. 86. *t.* 60, *f.* 1, as *Cynanchum filiforme*. Cartagena = **Cynanchum filiforme** (Jacq.) Jacq.

ASCLEPIAS LONGIFLORA, Enum. 17; Select. 85. *t.* 59, as *Cynanchum longiflorum*. Cartagena = **Macroscepis longiflora** (Jacq.) Sprengel.

ASCLEPIAS MARITIMA, Enum. 17; Select. 83. *t.* 56, as *Cynanchum maritimum*. Tierra Bomba, Cartagena = *Matelea maritima* (Jacq.) Woodson.

ASCLEPIAS PLANIFLORA, Enum. 17; Select. 82. *t.* 55, as *Cynanchum planiflorum*. Cartagena = *Matelea planiflora* (Jacq.) Dugand.

ASCLEPIAS RACEMOSA, Enum. 17; Select. 81. *t.* 54, as *Cynanchum racemosum*. Cartagena = *Cynanchum racemosum* (Jacq.) Jacq.

ASCLEPIAS UNDULATA, Enum. 17; Select. 85. *t.* 58, as *Cynanchum undulatum*. Cartagena = *Marsdenia undulata* (Jacq.) Dugand.

ASTRONIUM, Enum. 10 = *Astronium* Jacq.

ASTRONIUM GRAVEOLENS, Enum. 33; Select. 261. *t.* 181, *f.* 96. Cartagena = *Astronium graveolens* Jacq.

AVICENNIA, Enum. 6 = *Avicennia* L. (1753).

AVICENNIA NITIDA, Enum. 25; Select. 177. *t.* 112, *f.* 1. Martinique = *Avicennia germinans* (L.) L.

AVICENNIA TOMENTOSA, Enum. 25, citing *Linn. syst. A. p.* 1122; Select. 178. *t.* 112, *f.* 2. Caribaeis & Continente = *Avicennia germinans* (L.) L.

BATIS, Enum. 10 = *Batis* L. (1759).

BATIS MARITIMA, not in Enum.; Select. 260. *t.* 40, *f.* 4. Caribaeis & Continente = *Batis maritima* L.

BAUHINIA GLABRA, Enum. 20; Select. 119. *t.* 173, *f.* 3. Cartagena = *Bauhinia glabra* Jacq. or *Schnella glabra* (Jacq.) Dugand.

BELLIS RAMOSA, Enum. 28; Select. 216. *t.* 129, as "Bellis ? ramosa." Domingo and Martinique = *Eclipta alba* (L.) Hassk. (Conserved type.)

BIGNONIA DICHOTOMA, Enum. 25; Select. 183. Not illustrated. Cartagena = *Arrabidea obliqua* (H.B.K.) Bureau. (Not *Arrabidea dichotoma* (Vell.) Bur.)

BIGNONIA ECHINATA, Enum. 25; Select. 183. *t.* 176, *f.* 52. Cartagena = *Pithecoctenium echinatum* (Jacq.) K. Schum.

BIGNONIA LONGISSIMA, Enum. 25, citing *Plum. ic.* 57; Select. 182. *t.* 176, *f.* 78. Domingo = *Catalpa longissima* (Jacq.) Dum.-Cours. (1802).

BIGNONIA ORBICULATA, Enum. 25; Select. 184. *t.* 180, *f.* 79. Cartagena = *Anemopaegma orbiculatum* (Jacq.) DC.

BIGNONIA PANICULATA, Enum. 25, citing *Linn. spec. pl.* [*Bignonia* no.] 5; Select. 183. *t.* 116. Cartagena = *Amphilophium paniculatum* (L.) H.B.K.

BOCCONIA, Enum. 5 = *Bocconia* L. (1753).

BOCCONIA FRUTESCENS, Enum. 22, citing *Linn. spec. pl.* i. p. 505; Select. 146, not illustrated. Cuba, Domingo, Jamaica = **Bocconia frutescens** L.

BOEHMERIA, Enum. 9 = **Boehmeria** Jacq.

BOEHMERIA RAMIFLORA, Enum. 31; Select. 246. *t.* 157. Martinique = **Boehmeria ramiflora** Jacq.

BOMBAX PENTANDRUM, Enum. 26, citing *Linn. spec. pl.* [*Bombax* no.] 2; Select. 191. *t.* 176, *f.* 70. Caribaeis = **Ceiba pentandra** (L.) Gaertn.

BOMBAX QUINATUM, Enum. 26, citing *Linn. spec. pl.* [*Bombax* no.] 1; Select. 192. *t.* 176, *f.* 71. Cartagena = **Bombacopsis quinata** (Jacq.) Dugand.

BOMBAX SEPTENATUM, Enum. 26; Select. 193. Not illustrated. Cartagena = **Pseudobombax septenatum** (Jacq.) Dugand.

BOURRERIA, Enum. 2 = **Bourreria** Browne (1756).

BOURRERIA EXSUCCA, Enum. 14; Select. 45. *t.* 173, *f.* 17, as "Beurreria." Cartagena = **Bourreria cumanensis** (Loefl.) Schulz.

BOURRERIA SUCCULENTA, Enum. 14; Select. 44 as "Beurreria." Not illustrated. Caribaeis = **Bourreria succulenta** Jacq.

The type locality was given as Curaçao by Johnston (*Jour. Arnold Arb.* 30: 128. 1949) and as Martinique by Stearn (*Jour. Arnold Arb.* 52: 621. 1971). Neither saw Jacquin specimens.

BROMELIA KARATAS, Enum. 18, citing *Plum. gen.* 10; Select. 90. *t.* 178, *f.* 26. Martinique, Cuba = **Bromelia karata** L. (1753).

BROWNAEA, Enum. 6 = **Brownea** Jacq. (Name conserved with corrected spelling.)

BROWNAEA COCCINEA, Enum. 26; Select. 194. *t.* 121. Venezuela = **Brownea coccinea** Jacq.

BRUNSFELSIA SPINOSA, Enum. 14. Not in Select. No locality given. = **Brunfelsia spinosa** Jacq. ex Index Kewensis.

A student of *Brunfelsia*, Mr. T. Plowman, cannot place the preceding name and no authentic material has been located.

CACTUS PITAJAYA, Enum. 23; Select. 151. Not illustrated. Cartagena = **Acanthocereus pitajaya** (Jacq.) Dugand ex Croiz. *Caldasia* 2(7): 135. 1943.

Dugand stated later (*Phytologia* 13: 382. 1966) that *Acanthocereus pitajaya* could not be assigned to a genus.

CALLICARPA INTEGRIFOLIA, Enum. 12; Select. 15. *t.* 173, *f.* 7. Cartagena = **Aegiphila integrifolia** (Jacq.) Jackson.

- CAPPARIS AMYGDALIFOLIA, Enum. 24, citing Breynia, *Plum. gen.* 40; Select. 161. *t.* 103, as "CAPPARIS (*Breynia*)."
Caribaeis & Continente = **Capparis indica** (L.) Fawc. & Rendle.
- CAPPARIS COMOSA, Enum. 23; Select. 160. Not illustrated. Jaquesi, Haiti = **Capparis comosa** Jacq.
- CAPPARIS CYNALLOPHORA, Enum. 23, citing *Linn. syst.* 2. p. 1071 [as "cynophallophora"]; Select. 158. *t.* 98. Caribaeis & Venezuela = **Capparis flexuosa** (L.) L.
- CAPPARIS ELAEAGNIFOLIA, Enum. 23; Select. 160. *t.* 100. Renamed "Capparis octandra" (illegitimate) Domingo = **Capparis ferruginea** L.
- CAPPARIS EUSTACHIANA, Enum. 23; Select. 159. Not illustrated. Saint Eustatius = **Capparis eustachiana** Jacq.
- CAPPARIS FRONDOSA, Enum. 24; Select. 162. *t.* 104. Cartagena & Domingo = **Capparis baducca** L.
- CAPPARIS HASTATA, Enum. 23; Select. 159. *t.* 174, *f.* 56. Cartagena = **Capparis flexuosa** L. forma *hastata* (Jacq.) Dugand (1941) but later as **Capparis hastata** Jacq. (Dugand, *Caldasia* 10: 219. 1968.)
- CAPPARIS JAMAICENSIS, Enum. 23; Select. 60. Not illustrated. Domingo = **Capparis cynophallophora** L.
- CAPPARIS LINEARIS, Enum. 24; Select. 161. *t.* 102. Cartagena = **Capparis linearis** Jacq.
- CAPPARIS NEMOROSA, Enum. 24; Select. 164. *t.* 181, *f.* 69. Cartagena = **Belencita nemorosa** (Jacq.) Dugand.
- CAPPARIS PULCHERRIMA, Enum. 24; Select. 163. *t.* 106. Cartagena = **Capparis pulcherrima** Jacq.
- CAPPARIS TENUISILIQUA, Enum. 24; Select. 162. *t.* 105. Cartagena = **Capparis tenuisiliqua** Jacq.
- CAPPARIS VERRUCOSA, Enum. 23; Select. 159. *t.* 99. Cartagena = **Capparis verrucosa** Jacq.
- CASEARIA, Enum. 4 = **Casearia** Jacq.
- CASEARIA ACULEATA, Enum. 21, citing *Plum. ic.* 147. *f.* 1; Select. 133. Not illustrated = **Casearia aculeata** Jacq.
- CASEARIA DECANDRA, Enum. 21; Select. 133. *t.* 85. Case-Pilote, Martinique = **Casearia decandra** Jacq. TYPE: *Jacquin s.n.* (BM).
- CASEARIA NITIDA, Enum. 21, citing *Samyda Brown. Jam.* 1. p. 217; Select. 132, citing *Brown. jam. p.* 217. *t.* 23, *f.* 3?. Cartagena. Not illustrated.
Linnaeus (*Syst. ed.* 10. 1025. 1759) published *Samyda nitida* based on

the same type. Jacquin's name of 1760, is, therefore, illegitimate being superfluous and Linnaeus's specific epithet cannot be transferred to *Casearia*. As Jacquin questioned "?" the Browne reference in the *Selectarum* and indicated a plant from Cartagena it appears that two plants are involved here, Browne's from Jamaica and Jacquin's from Cartagena. Both plants, therefore, require new names which should be supplied by a monographer of the genus.

CASSYTHA, Enum. 3 = **Cassytha** L. (1753).

CASSYTHA FILIFORMIS, Enum. 20, citing *Linn. spec. pl.* I. p. 35; *Select.* 115. t. 79. Tierra Bomba near Cartagena, Colombia = **Cassytha filiformis** L.

CHAETAEA, Enum. 2 = **Byttneria** Loebl. (1758).

CHAETAEA ACULEATA, Enum. 17; *Select.* 76 as "BYTTNERIA (*aculeata*) Linn."

Linnaeus, editing Loeffling's work, accepted the genus *Byttneria* Loebl. (nom. conserv.), *Iter Hisp.* p. 313. 1758, and added a specific epithet of "scabra" in the *Systema* (ed. 10. 939. 1759). Jacquin (*Select.* p. 77) stated he had not seen Loeffling's work when he published the genus *Chaetaea* but he accepted *Byttneria*, naming the species incorrectly as *Byttneria aculeata*. He recorded a difference of opinion on the flower structure from that reported by Linnaeus (*Systema* 907, 939, 1365). Further, Jacquin cited material from Cartagena and from Domingo and referred to the large leaves of some plants and the smaller leaves of younger plants. In 1770 Jacquin (*Hort. Vindob.* 1: 10. t. 29) described and illustrated *Byttneria microphylla* from Hispaniola and a specimen and copies of the illustration are in the Linnaean herbarium (266.1, 266.2, 266.3) Moscoso *Cat. Flor. Domingensis* 371. 1943) recognizes *B. microphylla* and places *Chaetaea aculeata* Jacq. and *Byttneria aculeata* Jacq. in synonymy. This is apparently based on the work of Urban (*Symb. Antill.* 8: 431. 1920) in which *Buettneria microphylla* is given with the synonymy of *Chaetaea aculeata* Jacq. in part, and *Byttneria aculeata* Jacq. in part. It appears that Urban was accepting the Domingo collections cited in the *Selectarum* as being the same as *B. microphylla* and implying that the specimen from Cartagena was something else, i.e., *Byttneria scabra* L. To the best of my knowledge the name *Byttneria scabra* L. has not been used in modern floras.

CHIOCOCCA NOCTURNA, Enum. 16; *Select.* 68. Domingo = **Cestrum nocturnum** L. 1753.

CHIOCOCCA RACEMOSA, Enum. 16, citing *Brown. Jam.* 164; *Select.* 68. Not illustrated. Cartagena & Jamaica = **Chiococca alba** (L.) Hitchc.

CHOMELIA, Enum. 1 = **Chomelia** Jacq.

CHOMELIA SPINOSA, Enum. 12; *Select.* 18. t. 13. Cartagena = **Chomelia spinosa** Jacq.

CHRYSOBALANUS, Enum. 5 = **Chrysobalanus** L. (1753).

CHRYSOBALANUS ICACO, Enum. 23, citing *Linn. spec. pl.* 1. p. 513; Select. 154. t. 94. Caribaeis & Continente = **Chrysobalanus icaco** L.

CHRYSOPHYLLUM, Enum. 5 = **Chrysophyllum** L. (1753).

CHRYSOPHYLLUM ARGENTEUM, Enum. 15; Select. 53. t. 38, f. 1. Martinique = **Chrysophyllum argenteum** Jacq. *Cynodendron argenteum* (Jacq.) Baehni (1965) has not been accepted by subsequent workers.

CHRYSOPHYLLUM CAINITO, Enum. 15, citing *Linn. spec. pl.* 1. p. 192; Select. 51. t. 37, f. 1 = **Chrysophyllum cainito** L. Urban, Symb. Antill., typifies this species as "L. Sp. Pl. 1: 192 exclud. var."

CHRYSOPHYLLUM GLABRUM, Enum. 15; Select. 53. t. 38, f. 2, omitting the specific epithet. Martinique = **Chrysophyllum argenteum** Jacq. *Cynodendron argenteum* (Jacq.) Baehni (1965) has not been accepted by recent workers.

CINCHONA CARIBAEA, Enum. 16; Select. 61. t. 179, f. 95. Havana & Domingo = **Exostema caribaeum** (Jacq.) R. & S.

CLEMATIS POLYGAMA, Enum. 24; Select. 171, as "ATRAGENE (*polygama*)." Not illustrated. Havana, Cuba = **Clematis dioica** L.

CLEOME PROCUMBENS, Enum. 26; Select. 189. t. 120. Domingo = **Cleome procumbens** Jacq.

CLEOME SERRATA, Enum. 26; Select. 190. t. 180, f. 43. Cartagena = **Cleome serrata** Jacq.

CLEOME SPINOSA, Enum. 26, citing *Brown. Jam.* 1. p. 273; Select. 190. Not illustrated. Jamaica = **Cleome spinosa** Jacq.

CLINOPODIUM MARTINICENSE, Enum. 25; Select. 173. t. 176, f. 75. Martinique = **Leucas martinicensis** (Jacq.) Ait. f.

CLUSIA ALBA, Enum. 34, citing *Plum. ic.* 87. f. 1; Select. 271. t. 166. Martinique = **Clusia major** L.

CLUSIA FLAVA, Enum. 34, citing *Sloane hist. Jam.* 2. t. 200, f. 1.; Select. 272. t. 167. Jamaica = **Clusia flava** Jacq.

CLUSIA ROSEA, Enum. 34, citing *Catesb. car.* 2. t. 99; Select. 270. Domingo = **Clusia rosea** Jacq.

CLUSIA VENOSA, Enum. 34, citing *Plum. ic.* 87. f. 2; Select. 273. Not illustrated. Martinique = **Clusia minor** L.

COCCOLOBA BARBADENSIS, Enum. 37, citing *Houst. cat.* = **Coccoloba barbadensis** Jacq.

- COCCOLOBA CORONATA, Enum. 19; Select. 114. *t.* 77. Cartagena = **Coccoloba coronata** Jacq.
- COCCOLOBA DIVERSIFOLIA, Enum. 19; Select. 114. *t.* 76. Domingo = **Coccoloba diversifolia** Jacq.
- COCCOLOBA EMARGINATA, Enum. 37, citing *Houst.* [coll. Herb. Mygind.] = **Neomillspaughia emarginata** (Gross) Blake. See Howard, Jour. Arnold Arb. 40: 196. 1959.
- COCCOLOBA FLAVESCENS, Enum. 19; Select. 114. *t.* 75. Porto Principis, Domingo = **Coccoloba flavescens** Jacq.
- COCCOLOBA GRANDIFOLIA, Enum. 19; Select. 113. Not illustrated. Martinique = **Coccoloba pubescens** L.
- COCCOLOBA LEOGANENSIS, Enum. 19; Select. 113. *t.* 178, *f.* 33. Porto Principis & Leogane, Haiti = **Coccoloba leoganensis** Jacq. A fragment of this collection is in the British Museum.
- COCCOLOBA NIVEA, Enum. 19; Select. 115. *t.* 78. Domingo & Martinique = **Coccoloba venosa** L. 1759.
- COCCOLOBA OBTUSIFOLIA, Enum. 19; Select. 114. *t.* 74. Cartagena = **Coccoloba obtusifolia** Jacq.
- COCCOLOBA UVIFERA, Enum. 19, citing *Plum. ic.* 145; Select. 112. *t.* 73. Caribaeis & Continente = **Coccoloba uvifera** (L.) L.
- COFFEA OCCIDENTALIS, Enum. 16, citing *Plum. ic.* 156. *f.* 2; Select. 67. *t.* 47. Cap Français, Haiti = **Faramea occidentalis** (L.) A. Rich. Based on *Ixora occidentalis* L. Syst. Nat. ed. 10. 893, with same type.
- COMBRETUM DECANDRUM, Enum. 19; Select. 104. Not illustrated. Cartagena = **Combretum decandrum** Jacq.
- COMBRETUM LAXUM, Enum. 19; Select. 104. Not illustrated. Domingo = **Combretum laxum** Jacq.
Exell (Jour. Linn. Soc. Bot. 55: 126. 1953) reported that a fragment of Jacquin's collection of *Combretum laxum* is in the British Museum.
- COMBRETUM SECUNDUM, Enum. 19; Select. 103. *t.* 176, *f.* 30. Cartagena = **Combretum fruticosum** (Loefl.) Stuntz.
- COMOCLADIA DENTATA, Enum. 12; Select. 13. *t.* 173, *f.* 4. Havana = **Comocladia dentata** Jacq.
- COMOCLADIA INTEGRIFOLIA, Enum. 12, citing *Brown. Jam.* 124; Select. 12, citing *Linn. syst. A.* [ed. 10.] *p.* 861. Not illustrated. Domingo & Jamaica = **Comocladia pinnatifolia** L. 1759 with same type.
- COPAIVA, Enum. 4 = **Copaifera** L. (1762), conserved generic name.
- COPAÏVA OFFICINALIS, Enum. 21, citing *Marcgr. Bras. l.* 3, *c.* 17; Se-

lect. 133. *t.* 86. Carbet, Martinique & Continente = **Copaifera officinalis** (Jacq.) L. (1762).

CORDIA, Enum. 2 = **Cordia** L. (1753).

CORDIA JUGLANDIFOLIA, Enum. 14; Select. 43. Not illustrated. Domingo.

This species does not appear to have been considered by I. M. Johnston in his extensive studies of *Cordia* in tropical America. It is listed in Moscoso's *Catalogus Plantae Domingensis* (1943) but has never been re-collected.

CROTON BALSAMIFERUM, Enum. 32; Select. 255. *t.* 163, *f.* 3. Martinique & Curaçao = **Croton balsamiferus** Jacq.

This specific epithet has been used in recent publications as "balsamifer" for no apparent reason.

CROTON LINEARE, Enum. 32; Select. 256. *t.* 162, *f.* 4. "valle arenoso Corensi" = **Croton linearis** Jacq.

CROTON NIVEUM, Enum. 32; Select. 255. *t.* 162, *f.* 2. Cartagena = **Croton niveus** Jacq.

CROTON POLYGAMUM, Enum. 32; Select. 255. Not illustrated. Cartagena = **Argythamnia polygama** (Jacq.) Ktze.

CROTON PROCUMBENS, Enum. 32; Select. 254. Not illustrated. Cartagena = **Croton procumbens** Jacq.

CYTHAREXYLUM TERES, Enum. 26; Select. 185. *t.* 117, as "Citharexylum." Martinique = **Citharexylum spinosum** L.

CYTHAREXYLUM QUADRANGULARE, Enum. 26; Select. 186, as "Citharexylum." Not illustrated. Martinique = **Citharexylum spinosum** L.

DALECHAMPIA, Enum. 9 = **Dalechampia** L. (1753).

DALECHAMPIA SCANDENS, Enum. 31, citing *Plum. Amer. t.* 101; Select. 252. *t.* 160. Domingo = **Dalechampia scandens** L.

DIOSPYROS INCONSTANS, Enum. 34; Select. 276. *t.* 174, *f.* 67. Cartagena = **Diospyros inconstans** Jacq.

DIPHYSA, Enum. 7 = **Diphysa** Jacq.

DIPHYSA CARTHAGENENSIS, Enum. 28; Select. 208. *t.* 180, *f.* 51. Cartagena = **Diphysa carthagenensis** Jacq.

DODONAEA, Enum. 3 = **Dodonaea** Mill. (1754).

DODONAEA VISCOSA, Enum. 19, citing *Sloane Jam. t.* 162. *f.* 3; Select. 109. Not illustrated. Jamaica & Cartagena = **Dodonaea viscosa** Jacq.

DOLICHOS ALTISSIMUS, Enum. 27; Select. 203. *t.* 182, *f.* 85. Martinique = **Mucuna urens** (L.) Fawc. & Rendle. (For a discussion of this

and the following two species see Fawcett & Rendle, Jour. Bot. 55: 36. 1917.)

- DOLICHOS PRURIENS, Enum. 27, citing *Linn. syst. C. p.* 1162; Select. 201. *t.* 122. Caribaeis = **Mucuna pruriens** (L.) P. DC.
- DOLICHOS URENS, Enum. 27, citing *Linn. syst. D. p.* 1162; Select. 202. *t.* 182, *f.* 84. Caribaeis = **Mucuna sloanei** Fawc. & Rendle.
- DURANTA, Enum. 6 = **Duranta** L. (1753).
- DURANTA ELLISIA, Enum. 26, citing *Linn. syst.* 1121 (illegitimate); Select. 187. *t.* 176, *f.* 77. Jamaica = **Duranta repens** L.
- DURANTA PLUMIERI, Enum. 26, citing *Linn. spec. pl.* 1 & 2. *p.* 637 (illegitimate); Select. 186. *t.* 176, *f.* 76. Domingo = **Duranta repens** L.
- ECHITES, Enum. 2 = **Echites** P. Br. (1756).
- ECHITES AGGLUTINATA, Enum. 12; Select. 31. *t.* 23 as "adglutinata." Cap Français, Haiti = **Prestonia agglutinata** (Jacq.) Woodson.
- ECHITES BIFLORA, Enum. 13, citing *Plum. Amer. t.* 96; Select. 30. *t.* 21. Caribaeis = **Rhabdadenia biflora** (Jacq.) Müll.-Arg.
- ECHITES CORYMBOSA, Enum. 13; Select. 34. *t.* 30. Domingo = **Forsteronia corymbosa** (Jacq.) G. F. W. Meyer.
- ECHITES QUINQUANGULARIS, Enum. 13; Select. 32. *t.* 25. Cartagena = **Prestonia quinquangularis** (Jacq.) Spreng.
- ECHITES REPENS, Enum. 13; Select. 33. *t.* 28. Domingo = **Mesechites repens** (Jacq.) Miers.
- ECHITES SPICATA, Enum. 13; Select. 34. *t.* 29. Cartagena = **Forsteronia spicata** (Jacq.) G. F. W. Meyer.
- ECHITES SUBERECTA, Enum. 13, citing *Sloane Jam. t.* 130. *f.* 2; Select. 32. *t.* 26. Jamaica, Domingo = **Urechites lutea** (L.) Britton. BASIONYM: **Vinca lutea** L. (1756).
- ECHITES TOROSA, Enum. 13, citing *Brown. Jam. t.* 16, *f.* 2; Select. 33. *t.* 27. Jamaica = **Mandevilla torosa** (Jacq.) Woodson.
- ECHITES TRIFIDA, Enum. 13; Select. 31. *t.* 24. Cartagena = **Mesechites trifida** (Jacq.) Müll.-Arg.
- ECHITES UMBELLATA, Enum. 13, citing *Plum. ic.* 216. *f.* 2; Select. 30. *t.* 22. Jamaica, Domingo, Cuba = **Echites umbellata** Jacq.
- EHRETIA, Enum. 2 = **Ehretia** L. (1759).
- EHRETIA SPINOSA, Enum. 14; Select. 46. *t.* 180, *f.* 18. Cartagena = **Rochefortia spinosa** (Jacq.) Urb.

EHRETIA TINIFOLIA, Enum. 14, citing *Brown. Jam. t.* 16, *f.* 1; Select. 45, citing *Linn. syst. A. p.* 936. Not illustrated. Cuba, Jamaica = *Ehretia tinifolia* L. (1759).

ELAPHRIUM, Enum. 3 = *Bursera* Jacq. ex L. 1762. Conserved name.

ELAPHRIUM GLABRUM, Enum. 19; Select. 106. *t.* 71, *f.* 4. Cartagena = *Bursera glabra* (Jacq.) Triana & Planch.

ELAPHRIUM TOMENTOSUM, Enum. 19; Select. 105. *t.* 71, *f.* 1, 2, 3. Curaçao = *Bursera tomentosa* (Jacq.) Triana & Planch.

ELATERIUM, Enum. 9 = *Rytidostylis* Hook. & Arn. (not *Elaterium* Mill. 1754).

ELATERIUM CARTHAGENENSE, Enum. 31; Select. 241. *t.* 154. Cartagena = *Rytidostylis carthagenensis* (Jacq.) Ktze. See also Jeffrey in *Kew Bull.* 16: 197, 198. 1962.

EPIDENDRUM ALTISSIMUM, Enum. 30, citing *Sloane, hist. Jam. i. t.* 148. *f.* 1; Select. 229. *t.* 141. Martinique = *Oncidium altissimum* (Jacq.) Sw.

For a discussion of the typification of *Oncidium*, and of *Epidendrum altissimum* Jacq. and the other species now considered to be in *Oncidium*, see the article by N. H. Williams and R. L. Dressler in *Taxon* 22: 221–227. 1973.

EPIDENDRUM CARTHAGENENSE, Enum. 30; Select. 228. *t.* 133, *f.* 4. Cartagena = *Oncidium carthagenense* (Jacq.) Sw.

EPIDENDRUM CEBOLLETA, Enum. 30; Select. 230. *t.* 131, *f.* 2. Cartagena = *Oncidium cebolleta* (Jacq.) Sw.

EPIDENDRUM CILIARE, Enum. 29, citing *Plum. ic.* 179. *f.* 2; Select. 224. *t.* 179, *f.* 89. Martinique = *Epidendrum ciliare* L. (1759).

EPIDENDRUM COCCINEUM, Enum. 29, citing *Plum. ic.* 180. *f.* 1.; Select. 222. *t.* 134. Martinique = *Maxillaria coccineum* (Jacq.) L. O. Wms.

EPIDENDRUM CONCRETUM, Enum. 30; Select. 228. Not illustrated. Martinique = *Epidendrum concretum* Jacq.

This name cannot be placed with any accuracy in the absence of herbarium material. Garay (pers. comm.) suggests it might be *Ponthieva racemosa* (Walt.) Mohr.

EPIDENDRUM DIFFORME, Enum. 29; Select. 223. *t.* 136. Martinique = *Epidendrum difforme* Jacq.

EPIDENDRUM GLOBOSUM, Enum. 29; Select. 22. *t.* 133, *f.* 1. Martinique = *Jacquiniella globosa* (Jacq.) Schlecht.

EPIDENDRUM LINEARE, Enum. 29, citing *Plum. ic.* 182. *f.* 1; Select. 221. *t.* 131, *f.* 1. Martinique = *Isochilus linearis* (Jacq.) R. Br.

- EPIDENDRUM NOCTURNUM, Enum. 29; Select. 225. *t.* 139. Martinique = **Epidendrum nocturnum** Jacq.
- EPIDENDRUM NODOSUM, Enum. 29, citing *Linn. spec. pl.* 7. *p.* 953; Select. 226. *t.* 140. Baru, Cartagena, Colombia = **Brassavola nodosa** (L.) Lindl.
- EPIDENDRUM OPHIOGLOSSOIDES, Enum. 29, citing *Plum. ic.* 176. *f.* 3; Select. 225. *t.* 133, *f.* 2. Martinique = **Pleurothallis ophioglossoides** (Jacq.) Garay & Sweet.
- EPIDENDRUM RAMOSUM, Enum. 29; Select. 221. *t.* 132. Martinique = **Epidendrum rigidum** Jacq.
- EPIDENDRUM RUSCIFOLIUM, Enum. 29, citing *Plum. ic.* 176. *f.* 2; Select. 226. *t.* 133, *f.* 3. Martinique = **Pleurothallis ruscifolia** (Jacq.) R. Br.
- EPIDENDRUM SECUNDUM, Enum. 29, citing *Plum. ic.* 184. *f.* 1; Select. 224. *t.* 137. Martinique = **Epidendrum secundum** Jacq.
- EPIDENDRUM TETRAPETALUM, Enum. 30; Select. 230. *t.* 142. Jamaica = **Oncidium tetrapetalum** (Jacq.) Willd.
- ERYTHROXYLUM CARTHAGENENSE, Enum. 21; Select. 134. *t.* 87. Cartagena = **Erythroxylum carthagenense** Jacq.
- ERYTHROXYLUM HAVANENSE, Enum. 21; Select. 135. *t.* 87, *f.* 2. Havana = **Erythroxylum havanense** Jacq.
- EUGENIA CARTHAGENENSIS, Enum. 23; Select. 152. *t.* 178, *f.* 53. Cartagena = **Eugenia carthagenensis** Jacq. Dr. Rogers McVaugh, author of extensive studies on this family, was not able to locate material of this species or to place it satisfactorily.
- EUGENIA PSEUDOPSIDIUM, Enum. 23; Select. 152, *t.* 93. Martinique = **Eugenia pseudopsidium** Jacq.
- EUPHORBIA BOMBENSIS, Enum. 22; Select. 151. Not illustrated. Cartagena = **Chamaesyce bombensis** (Jacq.) Dugand.
- EUPHORBIA MESEMBRIANTHEMIFOLIA, Enum. 22; Select. 150. Not illustrated. Cartagena = **Chamaesyce mesembrianthemifolia** (Jacq.) Dugand.
- EUPHORBIA OBLITERATA, Enum. 22; Select. 151. Not illustrated. Cartagena = **Euphorbia hirta** L.
This species has not been included in any recent flora or monograph. Gooding *et al.*, in the Flora of Barbados (*p.* 249. 1965), assign the name as used by Maycock to the synonymy of *Euphorbia hirta*.
- FAGARA TRAGODES, Enum. 12, citing Schinus *Linn. spec. pl.* *p.* 389; Select. 21. *t.* 14. Porto Princes = **Zanthoxylum tragodes** (L.) DC. or **Fagara tragodes** (L.) Jacq.

GENTIANA APHYLLA, Enum. 17; Select. 87. *t.* 60. Martinique = **Leiphaimos aphylla** (Jacq.) Gilg.

GEOFFROEA, Enum. 7 = **Geoffroea** Jacq.

GEOFFROEA SPINOSA, Enum. 28 [as GEOFFRAEA]; Select. 207. *t.* 180, *f.* 62. Cartagena = **Geoffroea spinosa** Jacq.

GINORIA, Enum. 5 = **Ginoria** Jacq.

GINORIA AMERICANA, Enum. 22; Select. 148. *t.* 91. Cuba = **Ginoria americana** Jacq.

HAMELIA, Enum. 2 = **Hamelia** Jacq.

HAMELIA ERECTA, Enum. 16; Select. 17. Not illustrated. Cartagena = **Hamelia patens** Jacq.

According to Elias (pers. comm.) L'Héritier (Sert. Angl. p. 4. 1788) was the first to combine these species under *H. patens*.

HAMELIA PATENS, Enum. 16; Select. 72. *t.* 50. Domingo = **Hamelia patens** Jacq.

HAPALANTHUS, Enum. 1 = **Callisia** Loeffl. (1758).

HAPALANTHUS REPENS, Enum. 12; Select. 11. *t.* 11, citing Loeffl. hisp. 305. Not illustrated. Martinique = **Callisia repens** (Jacq.) L. 1762.

HEDYOTIS AMERICANA, Enum. 12; Select. 20. Not illustrated. Havana, Cuba = **Rachicallis americana** (Jacq.) Ktze.

HEISTERIA, Enum. 4 = **Heisteria** Jacq.

HEISTERIA COCCINEA, Enum. 20; Select. 126. *t.* 81. Martinique = **Heisteria coccinea** Jacq.

HELICTERES, Enum. 8 = **Helicteres** L. (1753).

HELICTERES BARBADENSIS, Enum. 38.

This species was described in a section of the *Enumeratio* considering collections in the herbarium of Mygind. Most of the species treated were collected by Houstoun and a few have been placed satisfactorily. Of these *Paullinia barbadensis* (Enum. 36) is now considered to be from Jamaica, while *Coccoloba barbadensis* (Enum. 37) is a plant from Mexico. There is no assurance that *Helicteres barbadensis* is from Barbados. No authentic material has been seen. *Helicteres* is not reported from Barbados in the Flora of Barbados by Gooding *et al.*, and only *Helicteres jamaicensis* is listed by Adams in the *Flowering Plants of Jamaica*. The binomial has not been applied to any modern collections from Mexico, Central America, or northern South America.

HELICTERES BARUENSIS, Enum. 30; Select. 236. *t.* 149. Baru, Cartagena, Colombia = **Helicteres baruensis** Jacq.

HELICTERES CARTHAGENENSIS, Enum. 30; Select. 237. *t.* 150. Cartagena = **Helicteres carthagenensis** Jacq.

The plant is described as having cordate serrate leaves which are tomentose on both sides. The illustration, however, is of a leafless inflorescence, and of a fruit with straight carpels, both unusual conditions in *Helicteres*. The binomial has not been used in recent literature. No similar collection has been seen from the area of Cartagena.

HELICTERES APETALA, Enum. 30; Select. 238. *t.* 181, *f.* 98. Cartagena = **Sterculia apetala** (Jacq.) Karsten.

This species was transferred to *Sterculia* and renamed *Sterculia carthaginensis* by Cavanilles (Mon. Cl. Diss. Dec. 6: 353. 1788). Although this name has been used in some publications, it is illegitimate.

HELICTERES JAMAICENSIS, Enum. 30, citing *Linn. spec. pl.* 1; Select. 235. *t.* 179, *f.* 99. Jamaica.

Typification is needed to retain the use of the well known *Helicteres jamaicensis* Jacq. since Jacquin cited "*Linn. spec. pl.* 1" which is *Helicteres isora* L. and a variety. The Linnaean species is based on four references: Hort. Cliff. 433; Pluk. Alm. 181. *t.* 245, *f.* 2 from Ind. Or.; Raj. hist. 1765; and Rheede mal. 6. *p.* 55. *t.* 30. For variety β . Linnaeus cited *Pluk. alm.* 182. *t.* 245. *f.* 3 and *Sloan. jam.* 97. *hist.* 1. *p.* 22 (an error for 220). *Helicteres isora* L. may be typified by the illustration of the closed fruit accompanying the foliage in Pluk. Alm. 181. *t.* 245, *f.* 2. This is a plant of tropical Asia found occasionally in cultivation in the American tropics. For *Helicteres jamaicensis* Jacquin (Enum. 30. 1760) does not distinguish within the *Species Plantarum* reference, although the illustration given in the *Selectarum*, *t.* 179, *f.* 99 is of Linnaeus's *Helicteres isora* L. var. β ., and is comparable to the illustration of Pluk. Alm. 182. *t.* 245, *f.* 3. Swartz (Prodomus 98. 1788) cited after *Helicteres jamaicensis* the *Selectarum* reference and "Helicteres isora. b." The holotype of *Helicteres jamaicensis* Jacq. is, therefore, the figure given by Jacquin (Select. *t.* 179, *f.* 99) stated to be "Helicteris jamaicensis fructus" (Select. *Explicatio Tabularum*).

HERNANDIA, Enum. 9 = **Hernandia** L. (1753).

HERNANDIA SONORA, Select. 245. Not illustrated. Martinique = **Hernandia sonora** L.

HILLIA, Enum. 3 = **Hillia** Jacq.

HILLIA PARASITICA, Enum. 18; Select. 96. *t.* 66. Martinique = **Hillia parasitica** Jacq.

HIPPOCRATEA, Enum. 1 = **Hippocratea** L. (1753).

HIPPOCRATEA SCANDENS, Enum. 12, citing *Linn. spec. pl.* 1. *p.* 1191; Select. 9. *t.* 9. Martinique, Domingo, Cartagena = **Hippocratea volubilis** L.

- HIPPOMANE MANÇANILLA, Enum. 31, citing *Linn. spec. pl.* i. 1191; Select. 250. *t.* 159. Martinique, Grenada, Caribaeis & Continente = **Hippomane mancinella** L.
- HIRAEA RECLINATA, Enum. 21; Select. 137. *t.* 176, *f.* 42. Cartagena = **Hiraea reclinata** Jacq.
- HOMALIUM, Enum. 5 = **Homalium** Jacq.
- HOMALIUM RACEMOSUM, Enum. 24; Select. 170. *t.* 183, *f.* 72. Martinique = **Homalium racemosum** Jacq.
- HYBANTHUS, Enum. 2 = **Hybanthus** Jacq. (listed unnecessarily as a conserved name).
- HYBANTHUS HAVANENSIS, Enum. 17; Select. 77. *t.* 175, *f.* 24, 25. Havana, Cuba = **Hybanthus havanensis** Jacq.
- HYPERICUM CAYENNENSE, Enum. 28; Select. 213. Not illustrated. Cayenne, French Guiana = **Vismia cayennensis** (Jacq.) Pers.
- IPOMAEA CARNEA, Enum. 13; Select. 26. *t.* 18. Cartagena = **Ipomoea carnea** Jacq.
- IPOMAEA FILIFORMIS, Enum. 13; Select. 27. *t.* 19. Martinique = **Jacquemontia solanifolia** (L.) Hall. f.
- IPOMAEA REPANDA, Enum. 13; Select. 28. *t.* 20. Martinique = **Ipomoea repanda** Jacq.
- IRIS MARTINICENSIS, Enum. 12; Select. 7. *t.* 7. Martinique = **Trimezia martinicensis** (Jacq.) Herbert.
- IXORA ALTERNIFOLIA, Enum. 12, citing *Plum. ic.* 157. *f.* 1; Select. 16. *t.* 177, *f.* 8. Martinique = **Cestrum alternifolium** (Jacq.) Schulz.
- JACQUINIA, Enum. 2 = **Jaquinia** L. (1759). It seems apparent that Jacquin was correcting the spelling of his own name.
- JACQUINIA ARMILLARIS, Enum. 15; Select. 53. *t.* 39. Curaçao, Martinique, Cartagena = **Jacquinia armillaris** Jacq.
This species is commonly cited as *Jacquinia barbasco* (Loefl.) Mez, and based on "Chrysophyllum barbasco Loefl." Loefling, however, used "barbasco" as a common name, not a specific epithet (*Iter Hisp.* 204, 207. 1758).
- JACQUINIA LINEARIS, Enum. 15; Select. 54. *t.* 40, *f.* 1. Porto Principis, Haiti = **Jacquinia linearis** Jacq.
- JACQUINIA RUSCIFOLIA, Enum. 15, citing *Linn. flor. Jam.* p. 27; *Dill. Elth.* *t.* 123; Select. 54. Not illustrated. Havana, Cuba = **Jacquinia aculeata** (L.) Mez.
- JATROPHA CARTHAGENENSIS, Enum. 32; Select. 256. *t.* 162, *f.* 1. Cartagena = **Manihot carthagenensis** (Jacq.) Müll.-Arg.

JATROPHA HASTATA, Enum. 32; Select. 256. *t.* 173, *f.* 54. Cultivated in Domingo = *Jatropha hastata* Jacq.

JATROPHA INTEGERRIMA, Enum. 32; Select. 256. *t.* 183, *f.* 74. Havana, Cuba = *Jatropha integerrima* Jacq.

McVaugh (Bull. Torrey Bot. Club 72: 274, 275. 1945) suggested that *Jatropha hastata* and *Jatropha integerrima* are merely variants of one species and should be merged under the name *Jatropha integerrima*. Further studies suggest that morphological variation can be associated with definite geographic ranges. Under cultivation these do not vary and should be recognized as cultivars at least.

JUSTICIA CARTHAGENENSIS, Enum. 11; Select. 5. *t.* 5. Cartagena = *Justicia carthagenensis* Jacq.

JUSTICIA EUSTACHIANA, Enum. 11; Select. 4. *t.* 4. Saint Eustatius = *Justicia eustachiana* Jacq.

JUSTICIA HIRSUTA, Enum. 11; Select. 4. Not illustrated. Martinique = *Gonzalagunia hirsuta* (Jacq.) Schum.

In the *Observationum Botanicarum* (II: 7. *t.* 32. 1767), Jacquin transferred *Justicia hirsuta* to *Barleria* and published an illustration. He retained the descriptive polynomial given in the *Enumeratio* "dianthera; foliis lanceolato-acuminatis; floribus subspicatus; bracteis setaceis; caule hirsuto." Lindau (Urban, *Symb. Antill.* 2: 221. 1900) suggested the description and illustration were based on heterogeneous elements, the flowers being an *Odontonema*, perhaps from Central or South America and the foliage from an unnamed plant. Urban (*Symb. Antill.* 4: 585. 1911) associated the foliage with *Gonzalagunia spicata* (Lam.) Maza. Subsequent authors have varied in their acceptance of these associations. Britton (Britton & Wilson, *Sci. Surv. Puerto Rico Virgin Is.* 6: 229. 1925) and Williams & Cheesman (*Fl. Trin. & Tob.* 2: 14. 1928) used the binomial *Duggena hirsuta* (Jacq.) Britton, while Standley (*N. Am. Fl.* 32(2): 135. 1921), and Gooding *et al.* (*Fl. Barbados* 404. 1965) have rejected the Jacquin name in favor of *Duggena* or *Gonzalagunia spicata*.

There appears to be no question that the foliage illustrated by Jacquin is that of *Gonzalagunia*. The description of "dianthera" was altered by Jacquin (*Observ. Bot.* 2: 8. 1767) "there are two sterile stamens in addition to the fertile ones, as was stated subsequently in *Justicia nitida*. Therefore, it is appropriate to transfer both to *Barleria*. In acquaintance with better material, I have ordered it to be engraved hirsute by which [character] it coincides in appearance of *nitida*." An examination of the Jacquin illustration reveals that the ovary is drawn as inferior to the calyx lobes in the lower flowers, quite in contrast to the completely free sepals of *Odontonema*. The corolla tube is straight and the petals flare in contrast to a curved corolla tube and strongly bilabiate corolla with exserted stamens of *Odontonema*. Flowers are five parted in many plants of *Gonzalagunia*, as I have observed in the field. The flowers of *Gonzalagunia* are heterostylous, a previously unrecognized character, yet even

in the short styled forms the stamens are included in the orifice of the tube or only barely exerted, and number four or five depending on the number of corolla lobes. *Odontonema nitida* does have staminodes associated at the base of the long filaments but these are 0.5 mm. long, at most, in the flowers I have dissected. It is doubtful if Jacquin would have observed these staminodes which are nearly hidden in the basal pubescence. Finally, Jacquin's comment that he ordered the plate to be engraved hirsute suggests that he was growing the plant at Schoenbrunn and removes the possibility of the "planta mixta" suggested by Lindau. The basionym *Justicia hirsuta* Jacq. (Enum. 11. 1760) should be retained for this plant and the combination **Gonzalagunia hirsuta** (Jacq.) Schum. be used instead of *Gonzalagunia spicata* (Lam.) Maza.

JUSTICIA MARTINICENSIS, Enum. 11; Select. 5. *t.* 2, *f.* 3. Martinique = **Dicliptera martinicensis** (Jacq.) Juss.

JUSTICIA NITIDA, Enum. 11; Select. 5. Not illustrated. Martinique = **Odontonema nitida** (Jacq.) Kuntze.

JUSTICIA PECTORALIS, Enum. 11; Select. 3. *f.* 3. Domingo and Martinique = **Justicia pectoralis** Jacq.

JUSTICIA PULCHERRIMA, Enum. 11; Select. 6. *t.* 2, *f.* 4. Cartagena = **Aphelandra pulcherrima** (Jacq.) H.B.K.

JUSTICIA SESSILIS, Enum. 11; Select. 3. *t.* 2, *f.* 2. Saint Eustatius = **Justicia sessilis** Jacq.

JUSTICIA SPINOSA, Enum. 11; Select. 2. *t.* 2, *f.* 1. Porto Principis = **Oploonia spinosa** (Jacq.) Raf.

KLEINIA, Enum. 8 = **Porophyllum** Guett. (1754).

KLEINIA RUDERALIS, Enum. 28; Select. 215. *t.* 127. Domingo & Martinique = **Porophyllum ruderale** (Jacq.) Cass.

LAETIA APETALA, Enum. 24, citing *Linn. syst.* 1074; Select. 167. *t.* 108. Cartagena. (This name is illegitimate, being based on same type as *Laetia americana* L. *Syst. ed.* 10. 1074. (May-June) 1759) = **Laetia americana** L.

LAETIA COMPLETA, Enum. 24; Select. 167. *t.* 183, *f.* 60. Cartagena = **Laetia completa** Jacq.

This name was recognized in *Index Kewensis* but has not been used in any subsequent treatment known to me.

LAUGIERIA, Enum. 2 = **Guettarda** L. (1753).

LAUGIERIA ODORATA, Enum. 16; Select. 177. *f.* 21. Cartagena and Havana, Cuba = **Guettarda odorata** (Jacq.) Lam.

LECYTHIS, Enum. 5 = **Lecythis** Loefl. (1758).

LECYTHIS MINOR, Select. 168. *t.* 109. Cartagena = **Lecythis minor** Jacq.

LIPPIA HEMISPHERICA, Enum. 25; Select. 176. *t.* 179, *f.* 100. Cartagena = *Lippia americana* L.

LORANTHUS BIRACEMOSUS, Enum. 35 = *Loranthus biracemosus* Jacq. ex Index Kewensis.

This species was based on a Houstoun collection in the Mygind Herbarium. Urban (Bot. Jahrb. 24: 71. 1897) could not place the species and it is not included in any modern treatment known to me. Dr. J. Kuijt, currently a student of the Loranthaceae, has not located any specimens of these Jacquin species of *Loranthus* and is consequently unable to place the names in accepted genera (pers. comm.).

LORANTHUS PEDUNCULATUS, Enum. 18; Select. 98. Not illustrated. Cartagena = *Struthanthus pedunculatus* (Jacq.) G. Don.

This species has not been placed in any modern treatment known to me.

LORANTHUS SESSILIS, Enum. 18; Select. 99. Not illustrated. Cartagena = *Struthanthus sessilis* (Jacq.) G. Don.

This species has not been placed in any modern treatment known to me.

LORANTHUS SPICATUS, Enum. 18; Select. 97. *t.* 68. Cartagena = *Oryctanthus spicatus* (Jacq.) Eichl.

LORANTHUS UNIFLORUS, Enum. 18; Select. 98. *t.* 69. Domingo = *Dendropemon uniflorus* (Jacq.) Steud.

LYTHRUM CARTHAGENENSIS, Enum. 22; Select. 148. Not illustrated. Cartagena = *Cuphea carthagenensis* (Jacq.) Macbr.

MALPIGHIA DIPHYLLA, Enum. 21; Select. 136. Not illustrated. Cartagena = *Byrsonima diphylla* (Jacq.) DC.

MALPIGHIA GRANDIFOLIA, Enum. 21; Select. 137. Not illustrated. Martinique = *Bunchosia grandifolia* (Jacq.) Juss.

This species was regarded as unassignable by Small (N. Am. Fl. 25: 160. 1910). However, Niedenzu (Pflanzenreich IV. 141 (Heft 94): 672. 1928) suggested the placement in *Bunchosia*, although with some doubt. No authentic material has been reported.

MALPIGHIA MARTINICENSIS, Enum. 21; Select. 136. Not illustrated. Martinique = *Malpighia martinicensis* Jacq.

The treatments of this species by monographers, by Small as *M. urens* (N. Am. Fl. 25: 158. 1910), and by Niedenzu who maintained it (Pflanzenreich IV. 141 (Heft 94): 628. 1928), are inconsistent. Jacquin's descriptions are inadequate in this complicated genus and a specimen collected or annotated by Jacquin is badly needed to clarify the problem. A student of the genus, Mr. José Vivaldi, has not seen any material attributable to Jacquin.

- MALPIGHIA NITIDA, Enum. 21; Select. 136. Not illustrated. Cartagena = **Bunchosia nitida** (Jacq.) L. C. Rich. in Juss.
- MALPIGHIA ODORATA, Enum. 21; Select. 136. *t.* 177, *f.* 41. Cartagena = **Bunchosia odorata** (Jacq.) Juss.
Although *Malpighia odorata* has been selected and recognized as the type species of the genus *Bunchosia*, Morton questioned the validity of this designation (Taxon 17: 317. 1968).
- MELASTOMA SEPTEMNERVIA, Enum. 20; Select. 131. Not illustrated. Martinique = **Melastoma septemnervia** ex Index Kewensis. This binomial was not considered by Naudin or Cogniaux and cannot be placed.
- MELIA GUAREA, Enum. 20; Select. 126. *t.* 176, *f.* 37. Cuba = **Guarea guidonia** (L.) Sleumer. See Taxon 5: 194. 1956 for further discussion.
- MELICOCCUS, Enum. 3 = **Melicoccus** Jacq.
- MELICOCCUS BIJUGATUS, Enum. 19, citing *Brown. Jam.* i. *p.* 210; Select. 108. *t.* 72. Cartagena = **Melicoccus bijugatus** Jacq.
- MENTZELIA, Enum. 5 = **Mentzelia** L. (1753).
- MENTZELIA, Select. 164 as *M. aspera* citing *Linn. sp. pl.* i. *p.* 516. Curaçao = **Mentzelia aspera** L.
- MIMOSA MANGENSIS, Enum. 34; Select. 267. Not illustrated. Cartagena = **Pithecolobium mangense** (Jacq.) Macbr.
- MIMOSA RETUSA, Enum. 34; Select. 267. Not illustrated. Cartagena.
Bentham (Trans. Linn. Soc. 30: 528. 1875) accepted *Acacia riparia* H.B.K. (Nov. Gen. Sp. Pl. 4: 276. 1824) and listed as a synonym "*Mimosa retusa* Jacq. Stirp. Amer. 267 ex desc." Recent authors have followed Bentham. The Jacquin species was not considered in the treatment of North American Flora presumably because of its origin in Cartagena. Macbride (Field Mus. Pub. Bot. 13(3): 83. 1943, notes under *A. riparia* that "*Mimosa retusa* Jacquin . . . does not seem to have been considered by Britton and Killip." I am assuming that Bentham's general conclusions are acceptable and therefore the combination **Acacia retusa** (Jacq.) R. A. Howard comb. nov. is needed. BASIONYM: *Mimosa retusa* Jacq. Enum. 34. 1760.
- MORINDA MUSCOSA, Enum. 16; Select. 65. *t.* 45. Martinique = **Cephaelis muscosa** (Jacq.) Sw. or = **Psychotria muscosa** (Jacq.) Steyermark (Mem. N. Y. Bot. Gard. 23: 671. 1972).
- MUNTINGIA, Enum. 5 = **Muntingia** L. (1753).
- MUNTINGIA CALABURA, not in Enum.; Select. 166. *t.* 107. citing *Linn. sp. pl.* i. *p.* 509. Domingo = **Muntingia calabura** L. 1753.

- MUSAENDA FORMOSA, Enum. 16; Select. 70. *t.* 48. Cartagena = **Randia mussaenda** (Jacq.) Schum.
- MUSAENDA SPINOSA, Enum. 16; Select. 70. *t.* 49. Cartagena & Martinique = **Randia armata** (Sw.) DC.
- MYGINDA, Enum. 1 = **Myginda** Jacq.
- MYGINDA URAGOGA, Enum. 12; Select. 24. *t.* 16. Cartagena & St. Martin = **Myginda uragoga** Jacq.
See Urban, *Symb. Antill.* 5: 72, 79. 1904 & 8: 384. 1920, for comments.
- MYROSPERMUM, Enum. 4 = **Myrospermum** Jacq.
- MYROSPERMUM FRUTESCENS, Enum. 20; Select. 120. *t.* 174, *f.* 34. Cartagena = **Myrospermum frutescens** Jacq.
- MYRTUS TRIFLORA, Enum. 23; Select. 153. *t.* 183, *f.* 59. Cartagena = **Eugenia triflora** ex Index Kewensis.
Rogers McVaugh (pers. comm.) has been unable to find herbarium material of this taxon and it cannot be placed satisfactorily.
- NISSOLIA, Enum. 7 = **Nissolia** Jacq. Conserved name.
- NISSOLIA ARBOREA, Enum. 27; Select. 199. *t.* 174, *f.* 48. Cartagena = **Machaerium arboreum** (Jacq.) Vog.
- NISSOLIA FRUTICOSA, Enum. 27; Select. 198. *t.* 179, *f.* 44. Cartagena = **Nissolia fruticosa** Jacq. Type species of genus, conserved.
According to Rudd (*Contr. U.S. Natl. Herb.* 32(2): 192. 1956) the Jacquin type of this specimen is in the British Museum.
- OENOTHERA OCTOVALVIS, Enum. 19, citing *Plum. ic.* 175. *f.* 1; Select. 102. *t.* 70. Caribaeis = **Ludwigia octovalvis** (Jacq.) Raven.
- ORCHIS SETACEA, Enum. 29; Select. 220. Not illustrated. Martinique = **Habenaria monorrhiza** (Sw.) Rchb. f. Not *Habenaria setacea* Lindl.
- PAULLINIA BARBADENSIS, Enum. 36; Mygind Herb. = **Paullinia barbadensis** Jacq. Radlkofer (*Pflanzenreich* IV. 165 (Heft 98b): 334. 1932) indicated he saw a type in the herb. Univ. Pestinae.
None of the species Jacquin described (Enum. 35–38) credited to the Mygind herbarium can be found in Budapest. Two have more recently been cited from the Banks Herbarium at the British Museum but the others have not been located.
- PAULLINIA TOMENTOSA, Enum. 37. Mygind Herb. = **Paullinia tomentosa** Jacq. Houstoun specimen of Herb. Mygind in Herb. Banks (BM).
- PECTIS PUNCTATA, Enum. 28, citing *Plum. ic.* 86. *f.* 1; Select. 216. *t.* 128. Cartagena = **Pectis linifolia** L. (1759).
- PEPLIS TETRANDBRA, Enum. 18, citing *Brown. Jam.* 1. *p.* 145; Select. 100. *t.* 182, *f.* 29. Havana, Cuba = **Lucya tetrandra** (L.) Schum. BASIONYM: *Peplis tetrandra* L. 1759, with same holotype.

PETESIA TOMENTOSA, Enum. 12; Select. 18. Not illustrated. Cartagena.

Petesia L. (Syst. Nat. ed. 10. 894. 1759) is regarded as a synonym of *Rondeletia* L. (1753). *Petesia tomentosa* Jacq. is not the same plant as *Rondeletia tomentosa* Sw. from Jamaica. The Jacquin taxon cannot be placed.

A Field Museum photo, #81 of Herb. Kunth ex Herb. Bonpl. (Herb. Berlin) is labeled as of the type specimen. The collection, from Rio Magdalena, Colombia, has two leaves only and does not match the Jacquin description.

PETITIA, Enum. 1 = *Petitia* Jacq.

PETITIA DOMINGENSIS, Enum. 12; Select. 14. *t.* 182, *f.* 6. Domingo = *Petitia domingensis* Jacq.

PETRAEA, Enum. 6 = *Petrea* L. (1753).

PETRAEA, Select. 180, *t.* 114 as *Petraea volubilis* citing *Linn. sp. pl.* 1. *p.* 626. 1753. = *Petrea volubilis* L.

PHASEOLUS SCLAREODES, Enum. 27; Select. 201. Not illustrated. Havana, Cuba = *Phaseolus sclareodes* as "sclaraeoides Jacq." in Index Kewensis. Not considered in recent floristic treatments.

PISCIDIA ERYTHRINA, Enum. 27, citing *Linn. syst.* "1755" (Sphalm. 1155); Select. 209. Not illustrated. Jamaica = *Piscidia piscipula* (L.) Sarg. BASIONYM: *Erythrina piscipula* L. 1753.

PISCIDIA CARTHAGENENSIS, Enum. 27; Select. 210. Not illustrated. Cartagena = *Piscidia carthagenensis* Jacq. See Rudd, *Phytologia* 18: 490. 1969.

PISTIA, Enum. 8 = *Pistia* L. 1753.

PORTULACA PANICULATA, Enum. 22; Select. 148. Not illustrated. Domingo and Martinique = *Talinum paniculata* (Jacq.) Gaertn.

Portulaca paniculata Jacq. is not illustrated and no specimens have been seen by previous workers, yet this is the basionym of the taxon proposed by Dandy (Taxon 18(4): 465. 1969) as the lectotype of *Talinum* A. L. Jussieu without discussion of the fact that Britton and Wilson (Sci. Surv. Puerto Rico Virgin Is. 5(2): 298. 1924) proposed *Portulaca triangularis* Jacq. as the type species for which they gave the reference to Adanson (Fam. Pl. 2: 245. 1763).

The Committee for Spermatophyta (McVaugh, Taxon 20 (2/3): 385. 1971) agreed that *Talinum* required conservation but did not consider the proposal by Dandy to be acceptable. The conservation of *Talinum* and the typification of the genus currently remains in limbo.

PORTULACA TRIANGULARIS, Enum. 22, citing *Plum. ic.* 150. *f.* 2; Select. 147. Not illustrated. Caribaeis = *Talinum triangulare* (Jacq.) Willd.

In many publications, the most recent being F. Segadas-Vianna *et al.*

(Flora Ecol. Restingas S. E. Brasil, 2. Portulacaceae 31. 1965), *Portulaca fruticosa* L. (Syst. Nat. ed. 10. 1045. 1759) is listed in the synonymy of *Talinum triangulare* (Jacq.) Willd. Being an older name it would appear to be the proper basionym. Dandy (Taxon 18(4): 465. 1969) discussed *Portulaca fruticosa* L. noting the confusion in Linnaeus's works relating to this taxon. He also noted that there was no supporting specimen available and in essence he rejected the name *Portulaca fruticosa* as ambiguous.

POTHOS ACAULIS, Enum. 31, citing *Plum. Amer. t. 57, fig. innominata supra fig. i*; Select. 240. *t. 153*. Martinique = **Anthurium acaule** (Jacq.) Schott.

PSORALEA CARTHAGENENSIS, Enum. 27, citing *Pluk. Phyt. t. 166, f. 2*; Select. 206. Not illustrated. Martinique = **Dalea carthaginensis** (Jacq.) Macbr.

PSYCHOTRIA CARTHAGENENSIS, Enum. 16; Select. 65. *t. 174, f. 22*. Cartagena = **Psychotria carthaginensis** Jacq. For discussion see Steyermark, Mem. N. Y. Bot. Gard. 23: 468. 1972.

PSYCHOTRIA DOMINGENSIS, Enum. 16; Select. 66. Not illustrated. Domingo = **Palicourea domingensis** (Jacq.) P. DC.

PSYCHOTRIA HERBACEA, Enum. 16 citing *Rheede Mal. 10. t. 21*; Select. 66. *t. 46*. Martinique = **Geophila repens** (L.) Johnston. For discussion see Sargentia 8: 281. 1949, and Steyermark, Mem. N. Y. Bot. Gard. 23: footnote 389, 395. 1972.

RAUVOLFIA HIRSUTA, Enum. 14, citing *Brown. Jam. t. 1, p. 180*; Select. 47. Not illustrated. Domingo = **Rauvolfia tetraphylla** L.
For discussion of this and the following species of *Rauvolfia*, see Rao, Ann. Missouri Bot. Gard. 43: 235, 334. 1956.

RAUVOLFIA NITIDA, Enum. 14; Select. 47. Not illustrated. Domingo = **Rauvolfia nitida** Jacq.

RAUVOLFIA TOMENTOSA, Enum. 14; Select. 48. Not illustrated. Cartagena = **Rauvolfia tetraphylla** L.

Rao stated he saw a specimen annotated by Jacquin in Vienna but he failed to cite the collection in the specimens listed.

RHAMNUS COLUBRINUS, Enum. 16, citing *Commel. Amst. t. 90*; Select. 74. Not illustrated. Martinique, Domingo, Cuba, Jamaica = **Colubrina arborescens** (Mill.) Sarg.

RHAMNUS CUBENSIS, Enum. 16; Select. 75. Not illustrated. Cuba = **Colubrina cubensis** (Jacq.) Brongn.

RHAMNUS DOMINGENSIS, Enum. 17; Select. 264. *t. 179, f. 4* as *Gouania glabra*, (illegitimate). Domingo = **Gouania lupuloides** (L.) Urb.
BASIONYM: *Banisteria lupuloides* L. 1753.

RHAMNUS IGUANAEUS, Enum. 16, citing *Commel. Amst. t. 73*; Select. 74. Not illustrated. Caribaeis & Continente = **Celtis iguanaeus** (Jacq.) Sarg.

RHAMNUS POLYGAMUS, Enum. 17; Select. 263, as *Gouania tomentosa* (illegitimate) Domingo = **Gouania polygama** (Jacq.) Urb.

ROBINIA SEPIUM, Enum. 28; Select. 211. *t. 179, f. 101*. Cartagena = **Gliricidia sepium** (Jacq.) Kunth, Synop. 4: 80. 1825.

Credit for the transfer of this species to *Gliricidia* has been given to several authors. Kunth appears to have been the first to make the combination.

ROBINIA VIOLACEA, Enum. 28; Select. 210. *t. 177, f. 49*. Cartagena = **Lonchocarpus violaceus** (Jacq.) DC.

RONDELETIA ODORATA, Enum. 16; Select. 59. *t. 42*. Havana, Cuba = **Rondeletia odorata** Jacq.

RONDELETIA DISPERMA, Enum. 16; Select. 59. Not illustrated. "Baru, Tierra Bomba, Colombia" = **Rondeletia disperma** Jacq. The name is not used in any modern treatment.

RUSSELIA, Enum. 6 = **Russelia** Jacq.

RUSSELIA SARMENTOSA, Enum. 25; Select. 178. *t. 113*. Havana, Cuba = **Russelia sarmentosa** Jacq.

RUYSCHIA, Enum. 2 = **Ruyschia** Jacq.

RUYSCHIA CLUSIAEFOLIA, Enum. 17; Select. 75. *t. 51, f. 2*. Martinique = **Ruyschia clusiaefolia** Jacq.

SAMYDA, Enum. 4 = **Samyda** Jacq. (Name conserved over *Samyda* L. 1753.)

SAMYDA DECANDRA, Enum. 21; Select. 131. Not illustrated. St. Martin = **Samyda dodecandra** Jacq.

SAMYDA DODECANDRA, Enum. 21, citing *Plum. ic. 146, f. 2*; Select. 132. Not illustrated. Domingo = **Samyda dodecandra** Jacq.

SAPIUM, Enum. 9 = **Sapium** P. Br. 1756.

SAPIUM AUCUPARIUM, Enum. 31, citing *Plum. ic. 171, f. 2. Brown. Jam. 1. p. 338*; Select. 249. *t. 158*. Cartagena.

Treatments of this taxon have varied greatly. One interpretation is that of Croizat (*Jour. Arnold Arb.* 24: 174. 1943) and the most recent that of Jablonski (*Phytologia* 16: 393-434. 1968). Jablonski could not find in Vienna any material seen or collected by Jacquin (p. 404). He could not identify the Plumier reference (p. 404) and he assigned the Browne reference to *Sapium jamaicense* Sw. (p. 398).

SCHAEFFERIA, Enum. 10 = **Schaefferia** Jacq.

SCHAEFFERIA FRUTESCENS, Enum. 33; Select. 259. Not illustrated. Cartagena = *Schaefferia frutescens* Jacq.

SCOPARIA PROCUMBENS, Enum. 12; Select. 18. Not illustrated. Cartagena = *Scoparia dulcis* ex Index Kewensis and Mueller Arg. in DC. Prodr. 10: 431. 1846, with doubt. Not considered in recent treatments. Pennell did not list the epithet in his "Scrophulariaceae of Colombia I. (Contrib. N. Y. Bot. Gard. 27: 1920).

SCUTELLARIA HAVANENSIS, Enum. 25; Select. 172. Not illustrated. Havana, Cuba = *Scutellaria havanensis* Jacq.

SECURIDACA, Enum. 7 = *Securidaca* L. 1759, name conserved.

SECURIDACA ERECTA, Enum. 27, citing *Brown. Jam.* i. p. 287 = *Securidaca diversifolia* (L.) Blake.

The description in the *Enumeratio* is short "Securidaca caule erecto" and followed by reference to a description by Browne. It is this Browne reference which forms the basis of *Securidaca virgata* Sw. (Prodr. 104. 1788).

In the *Selectarum* (p. 197. t. 183, f. 39. 1763) Jacquin does not repeat the Browne reference, describes a plant briefly and reports it from Case Pilote, Martinique. Urban (Repert. Sp. Nov. Beih. 5: 96. 1920) noted "*Securidaca erecta* Jacq. (1760) p. 27 (excl. cit. Brown.) et Sel. Amer. p. 197 . . ." It is apparently on this basis that Blake (Contr. U. S. Natl. Herb. 23: 594. 1923) referred *Securidaca erecta* Jacq. to the synonymy of *Securidaca diversifolia* (L.) Blake. The assumption must be made that Jacquin changed his mind between publication of the *Enumeratio* and the *Selectarum* and accepted the fact that his species was different from that described by Browne. Fawcett and Rendle (Flora Jam. 4: 246. 1920) accepted Jacquin's original reference to Browne as the typification of *Securidaca erecta* and placed *S. virgata* Sw. in synonymy. Blake (N. Am. Fl. 25: 372. 1924) rejected this conclusion and used *S. virgata*. Adams (Flowering Plants of Jamaica 403. 1972) has followed Blake. *Securidaca* has been conserved (#4275) with the type *S. volubilis* L., 1759, a taxonomic synonym of *S. diversifolia*. *Securidaca diversifolia* (L.) Blake is known from Martinique but not from Jamaica. The typification of *Securidaca erecta* Jacq., therefore, rests on the *Selectarum* citation and the locale of Martinique and not on that of the *Enumeratio*. The protologue of *Polygala diversifolia* L. was changed successively in *Species Plantarum*, ed. 1, *Systema Naturae*, ed. 10, and *Species Plantarum*, ed. 2. However, Blake (Contr. Gray Herb. 47: 15. 1916) typified the species by his statement "Linnaeus's *Polygala diversifolia* was based solely on a Cliffortian specimen, now in the British Museum, of *Securidaca volubilis* L., of which it becomes a synonym." He did not retain this viewpoint. No special locality is given for the Clifford specimen but *S. diversifolia* is not known today from Jamaica. The specimen labeled *Polygala diversifolia* in the Linnaean herbarium (882.20) is a mixed collection and neither the fruiting

(?) specimen nor the single leaf appear to be *Polygala* and certainly not *Securidaca*.

SECURIDACA SCANDENS, Enum. 27, citing *Linn. spec. pl.* 1 = **Dalbergia monetaria** L. f.

This is a complicated story comparable to that of *Securidaca erecta*, but one in which an opposite conclusion has been reached, i.e., the *Enumeratio* citation is identified and the *Selectarum* protologue is not.

In the *Enumeratio* Jacquin cited a Linnaean reference, Sp. Pl. (707, as *Securidaca volubilis*) where Linnaeus gives a polynomial of Plumier (Spec. 19) referring to a white-flowered cauliflorous plant now recognized as *Dalbergia monetaria* L. f. Taken as published, Jacquin's binomial is illegitimate, being superfluous, although the name is applied currently to a species of *Securidaca* from South America.

Urban (Fedde Repert. Sp. Nov. 16: 136. 1919; Beih. 5: 95. 1920) proposed the combination "*Dalbergia volubilis* (L.) Urb. not Roxb." with the basionym *Securidaca volubilis* L. The earlier name proposed by Roxburgh was for a plant from India, while the Linnaean name was associated with a plant described by Plumier from the Americas. *Dalbergia monetaria* L. f. appears to be the first available name for the Western Hemisphere plant.

It is also true that Linnaeus changed his mind. He described "*Securidaca volubilis*" citing Browne Jam. 287 (Sp. Pl. 707. 1753) and in the second edition of *Species Plantarum* (p. 922. 1763) Linnaeus accepted *Securidaca erecta* Jacq. and repeated the Browne reference.

In the *Selectarum* (p. 197. t. 183, f. 83) Jacquin described and illustrated a species of *Securidaca* from Cartagena. In the protologue Jacquin added a question mark to the Linnaean reference to *Securidaca volubilis* but cited in addition *Browne, Jam.* 2, p. 241 (pagination error for 288) which Grisebach (Fl. Brit. W. I. Is. 30. 1859) later named *Securidaca brownei*. The description given could apply to *Securidaca brownei*, however that species is today regarded as endemic to Jamaica. I cannot explain the statement by Fawcett and Rendle (Flora Jam. 4: 247. 1920) that "The specimen of *S. volubilis* L. Sp. Pl. 707 in the Linnean Herbarium is *Nissolia fruticosa* Jacq." Blake was able to locate and photograph (GH) a Jacquin collection of *Securidaca scandens* in the British Museum which he has labeled as the type. This is a *Securidaca*. Five detached leaves, a short piece of stem and some flowers comprise the specimen attributed to Cartagena. From the small photograph of poor quality made in 1925, this material appears comparable to recent collections named *Securidaca scandens* from the Cartagena area. Since the binomial *Securidaca scandens* Jacq. is illegitimate, a new name must be found for this material by someone willing to monograph the South American species of *Securidaca*.

Thus, in summary, *Securidaca scandens* Jacq. (1760) has been identified by Urban on the basis of the Plumier reference given by Jacquin. The altered description of *Securidaca scandens* Jacq. (1763), excluding the

references to Linnaeus and Browne, remains that of a plant without a name.

SICYOS EDULIS, Enum. 32; Select. 258. *t.* 163. Cuba = **Sechium edule** (Jacq.) Sw.

SIDA TRISULCATA, Enum. 26; Select. 195. Not illustrated. Domingo = **Abutilon trisulcatum** (Jacq.) Urb.

SIDEROXYLUM FOETIDISSIMUM, Enum. 15; Select. 55. Not illustrated. Domingo = **Mastichodendron foetidissimum** (Jacq.) Lam.

SIDEROXYLUM PAUCIFLORUM, Enum. 15; Select. 55. Not illustrated. Domingo = **Mastichodendron foetidissimum** (Jacq.) Lam.

SIDEROXYLUM SAPOTA, Enum. 15, citing *Sloane Jam. t.* 218; Select. 56. *t.* 182, *f.* 19, as *Achras sapota major*. Cartagena, Cuba, Jamaica = **Pouteria sapota** (Jacq.) Moore & Stearn, *Taxon* 16: 383. 1967.

SMILAX HASTATA, Enum. 33; Select. 262. *t.* 179, *f.* 103. Domingo = **Smilax hastata** Jacq.

SMILAX HAVANENSIS, Enum. 33; Select. 262. *t.* 179, *f.* 102. Havana, Cuba = **Smilax havanensis** Jacq.

SOLANUM BOMBENSE, Enum. 15; Select. 49. Not illustrated. Cartagena = **Solanum glabrum** *fide* Index Kewensis.

Dunal (DC. *Prodr.* 13(1): 102. 1852) referred "S. Bombense Jacq. Amer. p. 49?" to the synonymy of his *Solanum glabrum*. Later (*ibid.* p. 270) Dunal cited *S. bombense* for specimens in the Banks herbarium under his *Solanum stenorchis*. Since the Banks Herbarium does contain some material from Jacquin it is possible that these collections do represent holotype material of Jacquin's species. *Solanum stenorchis* Dunal may well be a synonym of *Solanum bombense*.

SOLANUM HAVANENSE, Enum. 15; Select. 49. *t.* 35. Havana, Cuba = **Solanum havanense** Jacq.

SOLANUM RACEMOSUM, Enum. 15; Select. 50. *t.* 36. Martinique = **Solanum racemosum** Jacq.

SOLANUM SUBINERME, Enum. 15; Select. 50. *t.* 36. Martinique = **Solanum subinerme** Jacq.

D'Arcy (pers. comm.) reports that "the type, consisting of the leaf and flower from which the plate was made is at the British Museum."

SOLANUM TRISTE, Enum. 15; Select. 50. *t.* 40, *f.* 2. Martinique = **Solanum triste** Jacq.

SOPHORA HAVANENSIS, Enum. 20; Select. 118. *t.* 173, *f.* 1. Havana, Cuba = **Sophora tomentosa** L.

SPERMACOCE SPINOSA, Enum. 12; Select. 21. Not illustrated. Havana, Cuba.

Steyermark (Mem. N. Y. Bot. Gard. 23: 814. 1972) concluded that this name is ambiguous and should be rejected. It is not his *Borreria densiflora* DC.

SPILANTHES, Enum. 8 = *Spilanthes* Jacq.

SPILANTHES INSIPIDA, Enum. 28; Select. 215. *t.* 126, *f.* 2. Havana, Cuba = *Spilanthes insipida* Jacq.

SPILANTHES URENS, Enum. 28; Select. 214. *t.* 126, *f.* 1. Cartagena = *Spilanthes urens* Jacq.

SPINACIA LITTORALIS, Enum. 33; Select. 244. *t.* 235 as *Axyris pentandra* (illegitimate). Cuba = *Atriplex cristata* H. & B. ex Willd. Sp. Pl. 4: 959. 1806.

Jacquin (Select. 244) refers to his earlier assignment of this plant to *Spinacia*. Fawcett and Rendle (Jour. Bot. 64: 15. 1926) reported that a specimen of *Spinacia littoralis* was in the Banks Herbarium (BM) and they made the combination *Atriplex littoralis* based on *Spinacia littoralis* Jacq. This is not *Atriplex littoralis* L. (Sp. Pl. 1054. 1753). The name *Atriplex cristata* H. & B. ex Willd. appears to be the next available name.

STRUMPFIA, Enum. 8 = *Strumpfia* Jacq.

STRUMPFIA MARITIMA, Enum. 28, citing *Sloane Jam.* 2. *t.* 189, *f.* 2; Select. 218. Not illustrated. Curaçao = *Strumpfia maritima* Jacq.

SURIANA, Enum. 4 = *Suriana* L. (1753).

SWIETENIA, Enum. 4 = *Swietenia* Jacq.

SWIETENIA MAHAGONI, Enum. 20, citing *Catesb. Car.* 2. *t.* 81; Select. 127, citing *Linn. syst. B.p.* 940. [1759]. Not illustrated. Caribaeis = *Swietenia mahagoni* (L.) Jacq. 1760.

"CEDRELA Mahag." (L. Syst. Nat. ed. 10. 940. 1759) and *Swietenia mahagoni* Jacq. (Enum. 20. 1760) are based on the same type, Catesby Car. 2. *t.* 81. According to article 63, Jacquin's name is illegitimate but can be used if it is considered to be a new combination.

SYMPLOCOS, Enum. 5 = *Symplocos* Jacq.

SYMPLOCOS MARTINICENSIS, Enum. 24; Select. 166. *t.* 175, *f.* 68. Martinique = *Symplocos martinicensis* Jacq.

TABERNAEMONTANA AMYGDALIFOLIA, Enum. 14; Select. 39. *t.* 181, *f.* 15. Cartagena = *Tabernaemontana amygdalifolia* Jacq.

TABERNAEMONTANA CYMOSA, Enum. 14; Select. 39. *t.* 181, *f.* 14. Cartagena = *Peschiera cymosa* (Jacq.) Dugand.

TABERNAEMONTANA GRANDIFLORA, Enum. 14; Select. 40. *t.* 31. Cartagena = *Stemmadenia grandiflora* (Jacq.) Miers.

TEREBINTHUS, Enum. 3 = *Bursera* Jacq. ex L. Sp. Pl. ed. 2. 471. 1762 (conserved name).

Terebinthus Jacq. is a later homonym of *Terebinthus* Mill. (1754) which is a combination of *Pistacia* L. and *Bursera* L. (Airy Shaw, Dict. 1107. 1966). Jacquin's description, however, is of *Bursera* alone.

TEREBINTHUS BROWNII, Enum. 18, citing *Sloane Jam. t.* 199.

Urban (Symb. Antill. 5: 402. 1908) proposed the name *Metopium brownei* and cited as synonyms *Rhus metopium* Linn. Syst. X ed. II (1759) *p.* 964, and *Terebinthus Brownii* Jacq. Enum. (1760) *p.* 18, among others. Urban did not use parentheses to designate parenthetical authors or authors of basionyms and he did not use tautonyms. All recent authors have referred to this taxon as *Metopium brownei* (Jacq.) Urb.

The question of typification arises. *Terebinthus brownii* Jacq. refers to Sloane, *Jam. t.* 199 which contains three figures, *Figures 1* and *2* of the Sloane plate are *Bursera simaruba* while *figure 3* is *Metopium*. Jacquin abandoned the epithet "brownii" in a further discussion of *Burseria gummifera* (Select. 94. 1763). *Brownii* as a specific epithet should be considered as an illegitimate name and a later synonym in *Bursera*.

Urban's treatment, therefore, should be considered as a new name for *Metopium brownei*, not a transfer of a Jacquin species. The type could be that of *Rhus metopium* L., an illustration by Browne, or of *Terebinthus maxima* Sloane, *plate 199, fig. 3*. The latter is more typical of the species and should be considered the lectotype.

TETRAGONOTHECA PARVIFLORA, Enum. 28. Not given in Select. = *Tetragonotheca fide* Index Kewensis.

McCart, a recent student of this genus, concluded that the description does not refer to a *Tetragonotheca*. He was unable to locate any authentic material.

TEUCRIUM CUBENSE, Enum. 25; Select. 47. Not illustrated. Cuba = *Teucrium cubense* Jacq.

TOURNEFORTIA MACULATA, Enum. 14; Select. 47. Not illustrated. Cartagena = *Tournefortia maculata* Jacq.

TRADESCANTIA GENICULATA, Enum. 18, citing *Plum. ic.* 116. *f.* 2; Select. 94. *t.* 64. Martinique = *Gibasis geniculata* (Jacq.) Rohweder.

TRAGIA HEXANDRA, Enum. 31; Select. 245. *t.* 173, *f.* 63. Havana, Cuba = *Platygyne hexandra* (Jacq.) Müll.-Arg.

TRICHILIA, Enum. 4 = *Trichilia* P. Br. 1756.

TRICHILIA HAVANENSIS, Enum. 20; Select. 129. *t.* 175, *f.* 38. Havana, Cuba = *Trichilia havanensis* Jacq.

TRICHILIA SPONDIODES, Enum. 20, citing *Brown. Jam.* 1, p. 278; Select. 128. Not illustrated. Domingo, Jamaica, Cartagena = *Trichilia hirta* L.

The Browne reference cited by Jacquin was considered by Linnaeus (*Syst. Nat.* ed. 10. 1020. 1759) to represent two species. *Trichilia hirta* L. is based on Browne, 278. f. 1. *Trichilia glabra* L. is based on Browne, 278. f. 2. The description given by Jacquin (Enum. 20) is "racemis axillaribus; foliis pinnatis; foliolis lanceolato-ovatis" and the Jacquin epithet has been referred to *T. hirta* L. by Wilson (*N. Am. Fl.* 25: 286. 1924) and subsequent workers.

TRICHILIA TRIFOLIA, Enum. 20, citing *Linn. syst.* [ed. 10.] 1020; Select. 129-132. Curaçao & Continente = *Trichilia trifolia* L. In 1762 Linnaeus (*Sp. Pl.* ed. 2. 551) changed this epithet to "trifoliata" which has been used in recent floras.

TRIGONIA, Enum. 3 = *Cupania* L. (1753).

TRIGONIA TOMENTOSA, Enum. 19; Select. 102. Not illustrated. Domingo = *Cupania americana* L.

TRIUMFETTA LAPPULA, Enum. 22, citing *Linn. spec. pl.* 1. p. 444; Select. 146. Not illustrated. Martinique = *Triumfetta lappula* L.

TRIUMFETTA RHOMBOIDEA, Enum. 22; Select. 147. t. 90. Martinique = *Triumfetta rhomboidea* Jacq.

TRIUMFETTA SEMITRILOBA, Enum. 22, citing *Brown. Jam.* 2. p. 233; Select. 146. Not illustrated. Caribaeis = *Triumfetta semitriloba* Jacq.

UTRICULARIA ALPINA, Enum. 11; Select. 7. t. 6. Martinique = *Utricularia alpina* Jacq.

VARRONIA, Enum. 2 = *Varronia* P. Br. (1756).

VARRONIA ALBA, Enum. 14, citing *Commel. Amst.* t. 80; Select. 41. Not illustrated. Cartagena and Curaçao = *Cordia alba* (Jacq.) R. & S.

VARRONIA CURASSAVICA, Enum. 14, citing *Brown. Jam.* 2. p. 172; Select. 40, without specific epithet. Not illustrated. Curaçao = *Cordia curassavica* (Jacq.) R. & S.

VARRONIA GLOBOSA, Enum. 14; Select. 41. Not illustrated. Caribaeis = *Cordia globosa* (Jacq.) H.B.K.

VARRONIA HUMILIS, Enum. 14, citing *Brown. Jam.* t. 13, f. 2; Select. 41. Not illustrated. Caribaeis = *Cordia globosa* (Jacq.) Kunth var. *humilis* (Jacq.) Johnst.

VARRONIA MACROSTACHYA, Enum. 14; Select. 41, as "macrostachia." Not illustrated. Cartagena = *Cordia curassavica* (Jacq.) R. & S. See the discussion by I. M. Johnston, *Jour. Arnold Arb.* 30: 99. 1949.

VARRONIA MARTINICENSIS, Enum. 14; Select. 41. *t.* 32. Martinique = **Cordia martinicensis** (Jacq.) R. & S.

VARRONIA MIRABILOIDES, Enum. 14; Select. 41. *t.* 33. Domingo = **Cordia mirabiloides** (Jacq.) R. & S.

VICIA DISTICHA, Enum. 27. Omitted in Select. = **Vicia disticha** in Index Kewensis.

Mr. C. R. Gunn, a student of the genus *Vicia*, reported that the description is not of a *Vicia*. No material has been seen and the specific epithet has not been used in any treatment known to me.

VICIA LITTORALIS, Enum. 27; Select. 206. *t.* 124. Cartagena = **Tephrosia littoralis** (Jacq.) Pers.

WEDELIA, Enum. 8 = **Wedelia** Jacq. Conserved name.

WEDELIA FRUTICOSA, Enum. 28; Select. 217. *t.* 130, as *Wedelia frutescens* (illegitimate), Cartagena = **Wedelia fruticosa** Jacq.

XIMENIA, Enum. 3 = **Ximenia** L. (1753).

XIMENIA MULTIFLORA, Enum. 19, citing *Plum. gen.* 6; Select. 106. *t.* 177, *f.* 31. Cartagena & Domingo = **Ximenia americana** L. 1753.

ZYGOPHYLLUM ARBOREUM, Enum. 20; Select. 130. *t.* 83. Cartagena = **Bulnesia arborea** (Jacq.) Engl. The reference for the publication of this combination has been cited variously but the correct citation is *Nat. Pflanzenfam.* III. 4: 84. 1896.

ARNOLD ARBORETUM

HARVARD UNIVERSITY

CAMBRIDGE, MASSACHUSETTS 02138